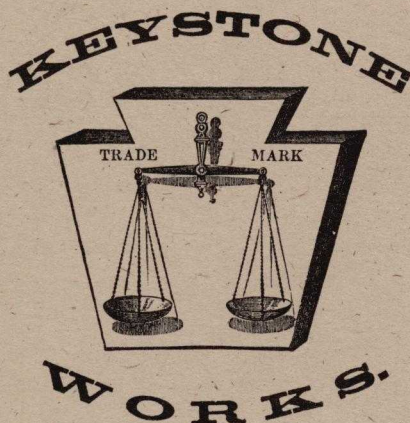


HENRY DISSTON & SONS'

PRICE-LIST.

JANUARY 1st, 1876.

SAW,
TOOL,



STEEL,
AND
FILE

BRANCH OFFICE,
Randolph and Market Streets,
CHICAGO.

BRANCH WORKS,
TACONY,
PENNA.

PHILADELPHIA:
PRESS OF J. B. LIPPINCOTT & CO.
1876.

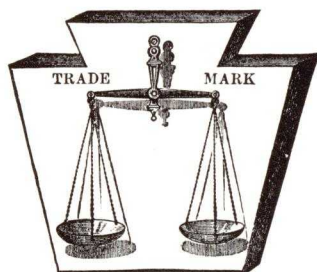
HENRY DISSTON & SONS'
KEYSTONE
SAW, TOOL, STEEL, & FILE WORKS,

FRONT AND LAUREL STREETS,

PHILADELPHIA.

BRANCH HOUSE, RANDOLPH AND MARKET STREETS, CHICAGO, ILL.

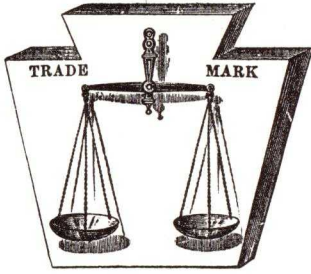
Branch Works, Tacony, Pa.



EXAMINE THE LIST CAREFULLY.—Many customers know us only as
HAND-SAW makers. This is strange, especially when
it is so much to their advantage to know exactly
what we do manufacture.

JANUARY, 1876.

LIPPINCOTT'S PRESS,
PHILADELPHIA.



OFFICE OF THE
KEYSTONE SAW, TOOL, STEEL & FILE WORKS,
Front and Laurel Streets,
PHILADELPHIA.

DISCOUNT SHEET.

Page 9, Circular Saws, from 4 to 46 in. inclusive . . .	25 per cent. discount.
" 9, " " 48 in., and larger . . .	30 " "
" 10, Segment " . . .	Net Cash.
" 10, Shingle " . . .	25 per cent. "
" 10 to 26 inclusive, excepting Shingle Saws . . .	15 " "
" 27 to 30 " . . .	25 " "
" 31 to 65 " . . .	15 " "
" 66 to 67 " . . .	30 " "
" 68 . . .	45 " "
" 69 to 70 inclusive . . .	30 " "
" 71 to 73 " excepting Saw Screws . . .	45 " "
" 73, Saw Screws . . .	15 " "
" 74 to 75 inclusive . . .	65 " "
" 76 to 80 " . . .	15 " "

The above are Factory rates for the coming season, and bills unpaid by the 20th proximo will be drawn for at sight, and, if not honored, an interest of 10 per cent. will be charged from the first of the succeeding month.

JANUARY 1, 1876.

HENRY DISSTON & SONS.



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The above are Factory rates for the coming season, and bills unpaid by the 20th proximo will be drawn for at sight, and if not honored, an interest of 10 per cent. will be charged from the first of the succeeding month.

Please examine List carefully before ordering, as various alterations and additions have been made.

Goods shipped at purchaser's risk, unless otherwise directed, and invoiced at current rates when shipped.

Packages charged for, and goods delivered free of charge to places only within this city.

N.B.—As some unprincipled parties are counterfeiting our goods, we wish our customers to be careful in making their purchases.

We shall feel obliged if parties will notify us of any instance where either merchant or manufacturer has broken prices. We pledge ourselves to meet all such cases.

HENRY DISSTON & SONS.

TERMS OF WARRANTY.

Each Saw is warranted perfectly true, or as true as it is possible to make it, and free from flaws and seams; and if found to be defective in either of these particulars, a new one will be given in exchange, if returned within a reasonable time. The practice of using a cold-chisel or punch for retoothing a Saw is almost certain to distort or crack the plate, and corners filed square in the gullet of the Tooth will frequently produce the same result, particularly in frosty weather.

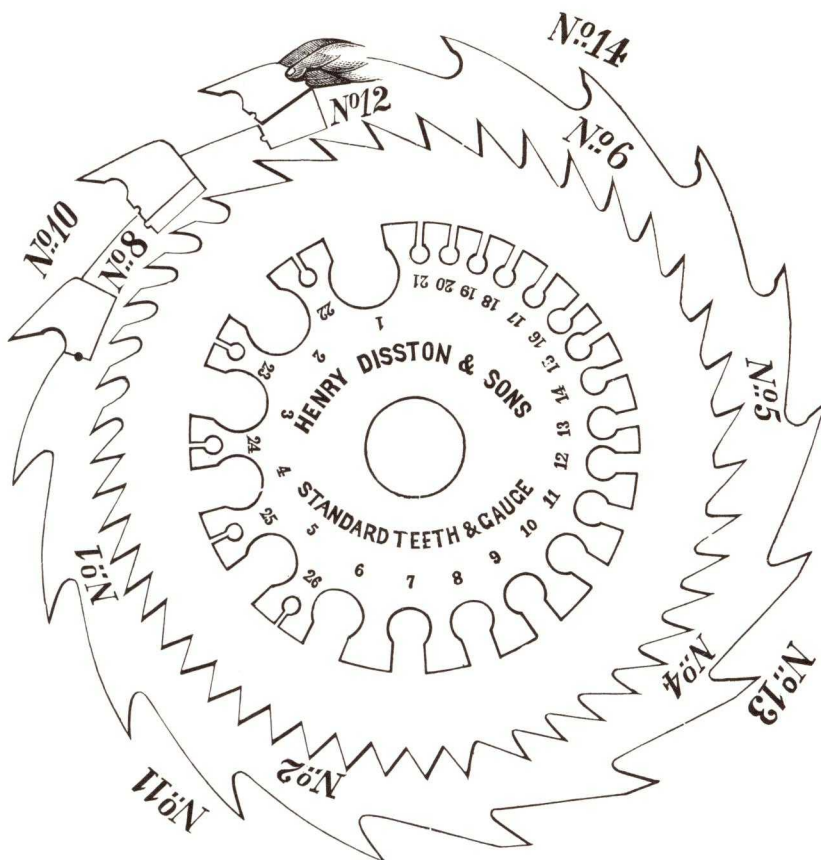
Our warranty does not cover Saws breaking from either of the above causes.

Mill-men and manufacturers of Lumber should read our Lumbermen's Hand-Book. Furnished gratuitously on application.

N.B.—Parties desiring special Saws cheaper than list price can have them made to order.

*We guarantee to produce a **better article** at the **same price** than any other house in the world.*

HENRY DISSTON & SONS.



The above illustration represents our various styles and sizes of Saw Teeth; also, our Standard Gauge. By consulting it a person will be enabled to inform us the size and style of Tooth, and also the gauge of any Saw he may desire.

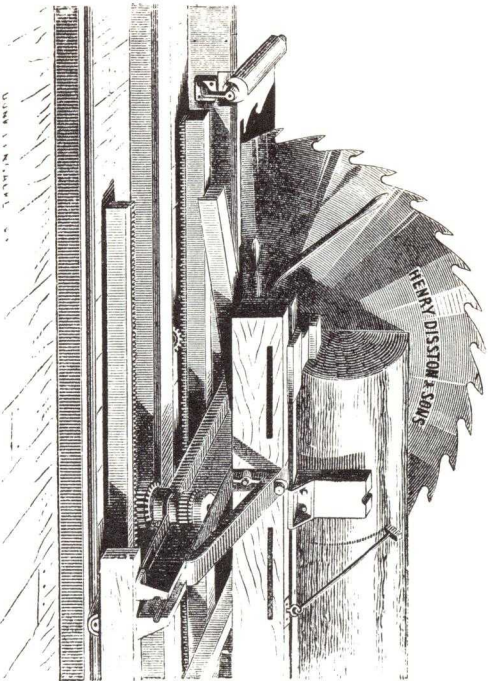
OUR STANDARD GAUGE

Exactly Corresponds with the STUBBS English Gauge.

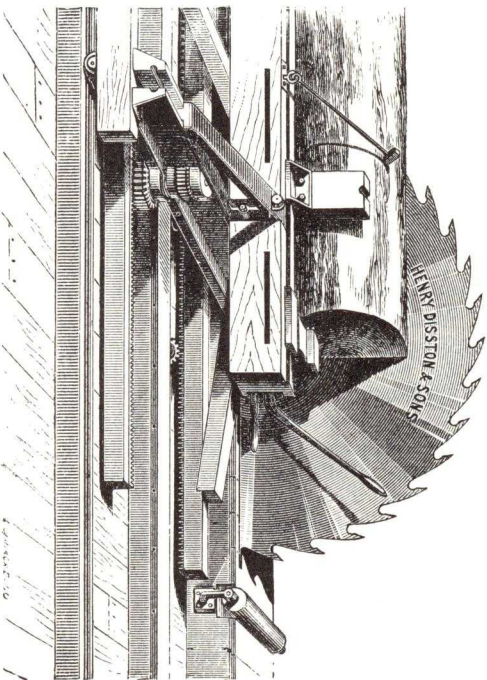
Gauge No. 4 $\frac{1}{4}$ in. scant.	Gauge No. 11 $\frac{1}{8}$ in. scant.
" " 5 $\frac{7}{32}$ "	" " 12 $\frac{7}{64}$ "
" " 6 $\frac{13}{64}$ "	" " 13 $\frac{3}{32}$ "
" " 7 $\frac{3}{16}$ " scant.	" " 14 $\frac{5}{64}$ " full.
" " 8 $\frac{5}{32}$ " full.	" " 15 $\frac{5}{64}$ " scant.
" " 9 $\frac{5}{32}$ " scant.	" " 16 $\frac{1}{16}$ " full.
" " 10 $\frac{1}{8}$ " full.	

When sending Saws to be repaired, mark the package plainly to our address; ALSO, GIVE THE ADDRESS OF THE PARTY SENDING IT. Send instructions about repairs by mail, and also by what conveyance and to what address to be returned when finished. We are receiving daily a large number of Saws for repairs, and unless they are properly marked we cannot tell by whom they are sent.

LEFT-HAND SAW.



RIGHT-HAND SAW.



When ordering Circular Saws, the following directions should be explicitly given:

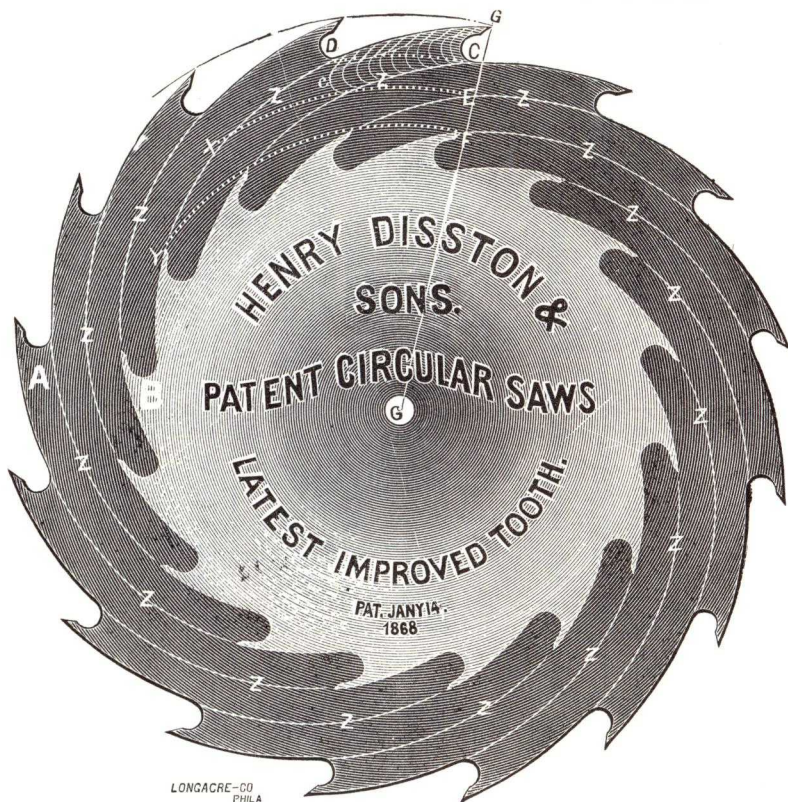
Diameter of Saw, in inches; thickness or gauge of Saw at rim; thickness or gauge of Saw at centre; right- or left-hand Saw (see engraving above); number of Teeth in Saw; kind and No. of Tooth, as shown on engraving (see opposite page); size of Mandrel-hole; size of Pin-hole; distance between Pin-holes from centre to centre; greatest feed at each revolution of Saw, in inches; kind of lumber to be sawed; number of revolutions of Saw per minute. When ordering Bolting Saws, state whether rip or cross-cut.

N.B.—All our stock Saws above forty inches in diameter have a 2-inch mandrel-hole and $\frac{3}{8}$ tug pin-holes, three inches from centre to centre. If wanted different, please send full pattern of holes.

HENRY DISSTON & SONS' STANDARD GAUGE—MADE TO ORDER.

DISSTONS' PATENT GULLET-TOOTH CIRCULAR SAW.

One of the most Valuable and Useful Improvements of the Age.



By reference to the above engraving, it will be observed that the back or point line of each Tooth is the continuation of the spiral lines *Z*, and the sharpening is mainly done by the reduction of the Gullet or Throat only. This is readily accomplished by the use of our Patent Gummers. (See pages 13 to 15.)

The course pursued by the cutter is spiral, and while it is in the act of reducing the front or throat of the Tooth *D*, it is prolonging the back or point-line of the Tooth *C*. The engraving represents a two-inch Tooth or Gullet. The Saw *B* is the Saw *A* worn down. When the Saw has been reduced on centre line from *G* to *F*, it has been worn away but six inches, yet has presented a cutting surface on spiral line *Z* from *G* to *Y*, a distance of twenty-four inches. But this is only one of the advantages claimed for our Patent Gullet-Tooth. The Throat or Gullet being chambered out on a half-circle, forms a larger receptacle or chamber for dust, and thus a one-and-a-half-inch Tooth of this pattern will keep a Saw as free from choking as a two-inch Tooth of the ordinary shape.

The saving of the Saw-Plate by the use of a smaller Tooth is evident to the most casual observer. In wearing a fifty-four-inch Saw down to a forty-two, a loss of twelve inches has been sustained in the diameter of the Saw-Plate, which is six sets of two-inch Teeth, or eight sets of one-and-a-half-inch Teeth, an advantage of two sets in favor of our new Patent Gullet-Tooth, independent of the immense gain by gumming on spiral lines. The crowning triumph of this Saw is the fact that it can be kept in order with one-tenth the labor of any other Saw, and is bound to preserve its true circular shape; whereas by the old method of filing both on back and front it is impossible to keep a Saw round.

PATENT GROUND AND TEMPERED CIRCULAR SAWS,

Of Extra Quality, Superior Workmanship, and Guaranteed as per Warranty.

Diameter.	Thickness.	Size of Hole.	Price each.	Extra for each additional Gauge (heavier).	Prices for Beveling New Saws (Grinding or Beveling Old Saws, extra).
4 in.	19 gauge	$\frac{3}{4}$	\$0.85	\$0.06	
5 "	19 "	$\frac{3}{4}$	1.00	.07	
6 "	18 "	$\frac{3}{4}$	1.25	.09	
7 "	18 "	$\frac{3}{4}$	1.50	.10	
8 "	18 "	$\frac{7}{8}$	1.75	.11	
9 "	17 "	$\frac{7}{8}$	2.25	.14	
10 "	16 "	1	2.75	.16	
12 "	15 "	1	3.50	.20	\$0.50 per gauge
14 "	14 "	$1\frac{1}{8}$	4.00	.24	.60 "
16 "	14 "	$1\frac{1}{8}$	4.75	.28	.70 "
18 "	13 "	$1\frac{1}{4}$	5.50	.34	.80 "
20 "	13 "	$1\frac{5}{16}$	7.00	.40	.90 "
22 "	12 "	$1\frac{5}{16}$	8.00	.48	1.00 "
24 "	11 "	$1\frac{3}{8}$	10.00	.55	1.20 "
26 "	11 "	$1\frac{3}{8}$	12.00	.65	1.40 "
28 "	10 "	$1\frac{1}{2}$	14.00	.80	1.60 "
30 "	10 "	$1\frac{1}{2}$	16.00	.90	1.80 "
32 "	10 "	$1\frac{5}{8}$	18.50	1.00	2.00 "
34 "	9 "	$1\frac{5}{8}$	21.00	1.20	2.20 "
36 "	9 "	$1\frac{5}{8}$	24.00	1.40	2.40 "
38 "	8 "	$1\frac{5}{8}$	28.00	1.75	2.60 "
40 "	8 "	2	33.00	2.00	3.00 "
42 "	8 "	2	40.00	2.50	3.50 "
44 "	7 "	2	48.00	3.00	3.70 "
46 "	6 "	2	56.00	3.50	3.80 "
48 "	6 "	2	65.00	4.25	4.00 "
50 "	6 "	2	75.00	5.00	4.20 "
52 "	5 "	2	90.00	5.75	4.30 "
54 "	5 "	2	105.00	7.00	4.50 "
56 "	5 "	2	125.00	8.75	4.70 "
58 "	5 "	2	150.00	10.00	4.80 "
60 "	5 "	2	175.00	12.00	5.00 "
62 "	4 "	2	200.00	14.00	5.20 "
64 "	4 "	2	230.00	16.00	5.40 "
66 "	4 "	2	265.00	18.00	5.50 "
68 "	4 "	2	300.00	20.00	5.70 "
70 "	3 "	2	340.00	22.00	5.90 "
72 "	3 "	2	380.00	24.00	6.00 "

Extra thin Saws, also Grooving Saws, special prices. Circular Saws to cut Metal or Ivory, double price.

No extra charge for Saws one gauge thicker than list. One gauge beveling allowed on all Circular Saws larger than 38 inches.

VENEERING SAWS, IN SEGMENTS.

12 in. wide, No. 5 gauge, per foot in diameter	.	.	.	.	\$14.00 net cash.
12 " " 7 " " " "	.	.	.	.	13.00 "

WARRANTED EXTRA CAST-STEEL SHINGLE SAWS.

(Tapered to No. 14 Gauge—Patent Ground.)

32 in.	34 in.	36 in.	38 in.	40 in.	42 in.	44 in.	46 in.	48 in.
\$26.00	\$31.00	\$36.00	\$43.00	\$50.00	\$60.00	\$72.00	\$85.00	\$100.00

When ordering Shingle Saws, state *which* is the flat or countersunk side, number of Teeth desired, thickness at centre, thickness at edge; also send sketch of the direction in which the Teeth run, and full pattern of holes. State size of Collar used.

PRICES FOR SETTING AND SHARPENING CIRCULAR SAWS.

To 20 in., 5 cents per in. diameter.

" 30 "	6 "	" "	" "
" 40 "	7 "	" "	" "

To 50 in., 8 cents per in. diameter.

" 60 "	9 "	" "	" "
" 72 "	10 "	" "	" "

RATES OF REPAIRING SAWS.

CIRCULAR SAWS.

(Gumming and Hammering.)

All sizes to 20 in.	.	.	.	.	.	.	8 cents per in. diameter.
" over 20 " to 30 in.	.	.	.	.	.	10 "	" "
" " 30 " to 40 "	.	.	.	.	.	12 "	" "
" " 40 " to 50 "	.	.	.	.	.	15 "	" "
" " 50 " to 60 "	.	.	.	.	.	22 "	" "
" " 60 " to 72 "	.	.	.	.	.	28 "	" "

Rettoothing, 25 per cent. extra. If Hammered only, two-thirds of above list.

MILL SAWS.

Gummed and Hammered	.	.	.	.	.	.	\$1.00 each.
Hammering	.	.	.	.	.	.	75 "

MULAY SAWS.

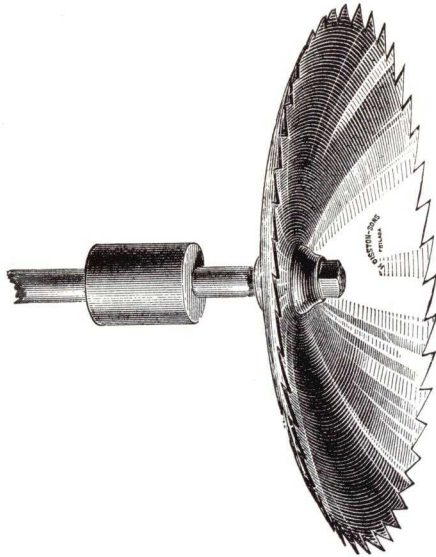
Gummed and Hammered	.	.	.	.	.	.	\$1.25 each.
Hammering	.	.	.	.	.	.	1.00 "

CROSS-CUT SAWS.

Gummed and Hammered	.	.	.	.	.	.	15 cents per foot.
Hammering	.	.	.	.	.	.	10 " "
Setting and Sharpening	.	.	.	.	.	.	10 " "

N.B.—Breakage in repairing at the owner's risk.

CONCAVE SAWS.



The attention of the manufacturers of chair- or wheelwright-lumber, barrels, etc., is respectfully called to Concave Saws, of which we are manufacturing large quantities. They are dished and tempered by an entirely new and patented process, and guaranteed to be of superior quality in every respect. We furnish these Saws considerably cheaper in consequence of our new mode of manufacture.

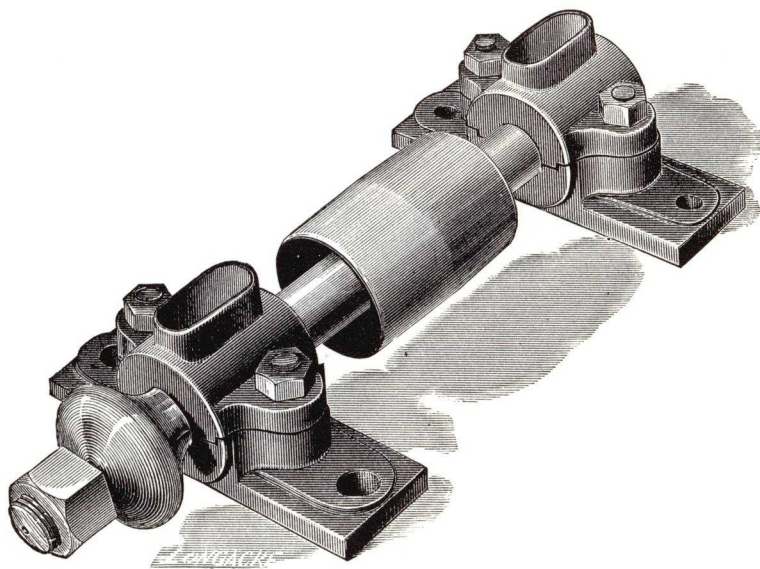
6 in.	. . .	18 gauge	. . .	\$1.87	. . .	9 cents extra for each additional Gauge.
7 "	. . .	18 "	. . .	2.25	. . .	10 " " "
8 "	. . .	18 "	. . .	2.62	. . .	11 " " "
9 "	. . .	17 "	. . .	3.37	. . .	14 " " "
10 "	. . .	16 "	. . .	4.12	. . .	16 " " "
12 "	. . .	15 "	. . .	5.25	. . .	20 " " "
14 "	. . .	15 "	. . .	6.00	. . .	24 " " "
16 "	. . .	14 "	. . .	7.12	. . .	28 " " "
18 "	. . .	13 "	. . .	8.25	. . .	34 " " "
20 "	. . .	13 "	. . .	10.50	. . .	40 " " "

EXTRA SIZES MADE TO ORDER.

When ordering Concave Saws, give circle to be dished to; also, which side is to be dished or concaved, right- or left-hand, Saw running towards you.

CIRCULAR-SAW MANDRELS,

Of the Latest and most Approved Style.



No.	Diam of Pulley.	Face of Pulley.	Diam. of Flange.	Length of Shaft.	Diam. of Shaft.	Size of Hole in Saw.	Price.
No. 1,	2½ in.	3½ in.	2½ in.	14 in.	1- $\frac{1}{16}$ in.	1 in.	\$7.00
" 2,	3 "	4 "	3 "	16 "	1- $\frac{3}{16}$ "	1½ "	8.00
" 3,	3½ "	4½ "	3½ "	18 "	1- $\frac{5}{16}$ "	1¾ "	8.50
" 4,	4 "	5 "	4 "	20 "	1- $\frac{7}{16}$ "	1- $\frac{5}{16}$ "	9.75
" 5,	4½ "	5½ "	4½ "	22 "	1- $\frac{7}{16}$ "	1- $\frac{5}{16}$ "	11.00
" 6,	5 "	6 "	5 "	24 "	1- $\frac{7}{16}$ "	1¾ "	12.50
" 7,	5½ "	6½ "	5½ "	26 "	1- $\frac{7}{16}$ "	1¾ "	13.75
" 8,	6 "	7 "	6 "	28 "	1- $\frac{9}{16}$ "	1½ "	15.50
" 9,	7 "	8 "	6 "	32 "	1- $\frac{11}{16}$ "	1- $\frac{5}{8}$ "	21.50
" 10,	8 "	8 "	6 "	36 "	1- $\frac{3}{8}$ "	1- $\frac{5}{8}$ "	25.75

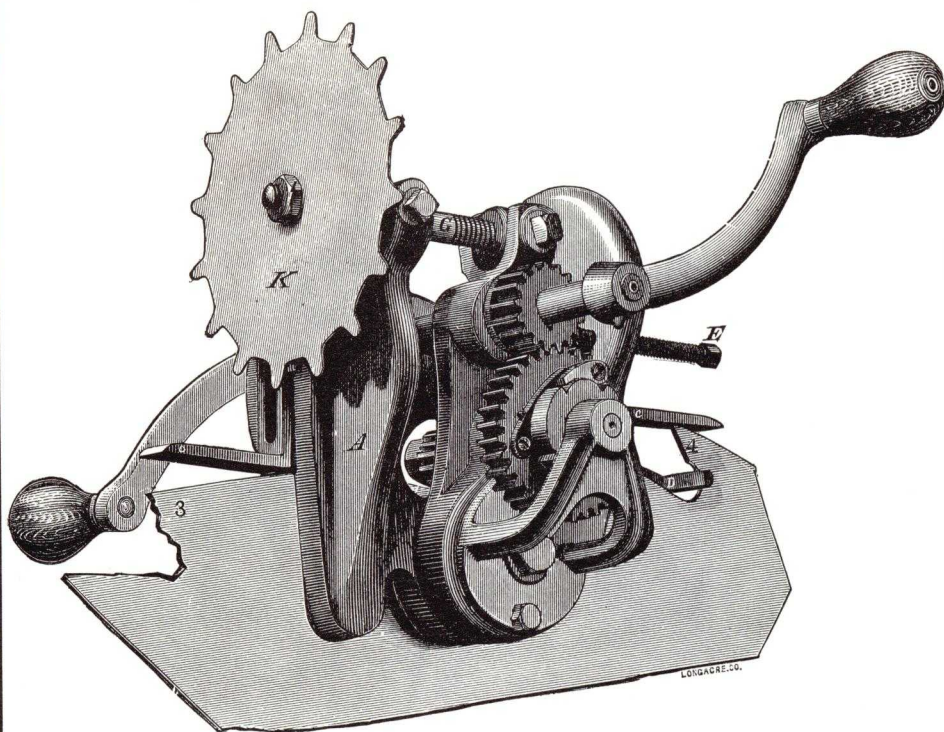
LARGER SIZES MADE TO ORDER.

When ordering Saw Mandrels, send sketch and give distance from Saw to end of Mandrel if the pulley is between the bearings. If the pulley is on the end of Mandrel, give distance from Saw to inside edge of pulley. Also, whether the pulley is on the right- or left-hand side of Mandrel when Saw is running towards you.

Mandrels according to above dimensions, with pulley on end, 10 per cent. additional to list.

HENRY DISSTON & SONS' No. 1 PATENT DOUBLE-GEARED SAW GUMMER OR CHAMBERING MACHINE FOR LARGE SAWS.

Including Cutter-Holder and One Cutter, each 1, $\frac{1}{4}$, $1\frac{1}{2}$ in. Price, \$25.00.



DIRECTIONS FOR USING THIS GUMMER.

Run the cutter back by means of screw *G* as far as necessary. Then place the machine on the Saw, with the cutter close up in the chamber of the tooth to be gummed.

If the teeth are regular and the same distance apart, you may start the cutter in any chamber; but if they are irregular, you make them even by commencing in the smallest tooth. After gumming the Saw a few times the teeth must become regular. *E* is a set screw to regulate the depth of gullet. Fasten the machine to the Saw by means of the screws *BB*, and proceed to gum the first tooth, one of the points of the star being struck at each revolution by a projection on the handle, steadily feeding the cutter until arrested by set screw *E*. Remove the machine to the next tooth towards you, after having run the cutter back, and proceed as before until the whole of the teeth are gummed.

The cutter is so arranged as to slide on its axis, and when one portion becomes dull, remove a washer from back to front, and thus present a new sharp-cutting surface; and so continue changing the washers until the whole face of the cutter becomes dull.

The ratchet by which the cutter is moved effectually prevents any back motion, which has hitherto been a serious objection.

This Gummer is a most invaluable machine, and should be in the hands of every mill-man. It saves power, files, and time, and is so simple in its mode of operation that one of your laboring men can readily be taught to use it.

We pronounce this to be the best Gummer ever manufactured.

HENRY DISSTON & SONS' No. 2 PATENT SINGLE-GEARED GUMMER OR CHAMBERING MACHINE.

Adapted for either Circular or Long Saws, including Cutter-Grinder and One Cutter each, $\frac{1}{2}$, $\frac{5}{8}$, and $\frac{3}{4}$ in. Price, \$18.00.

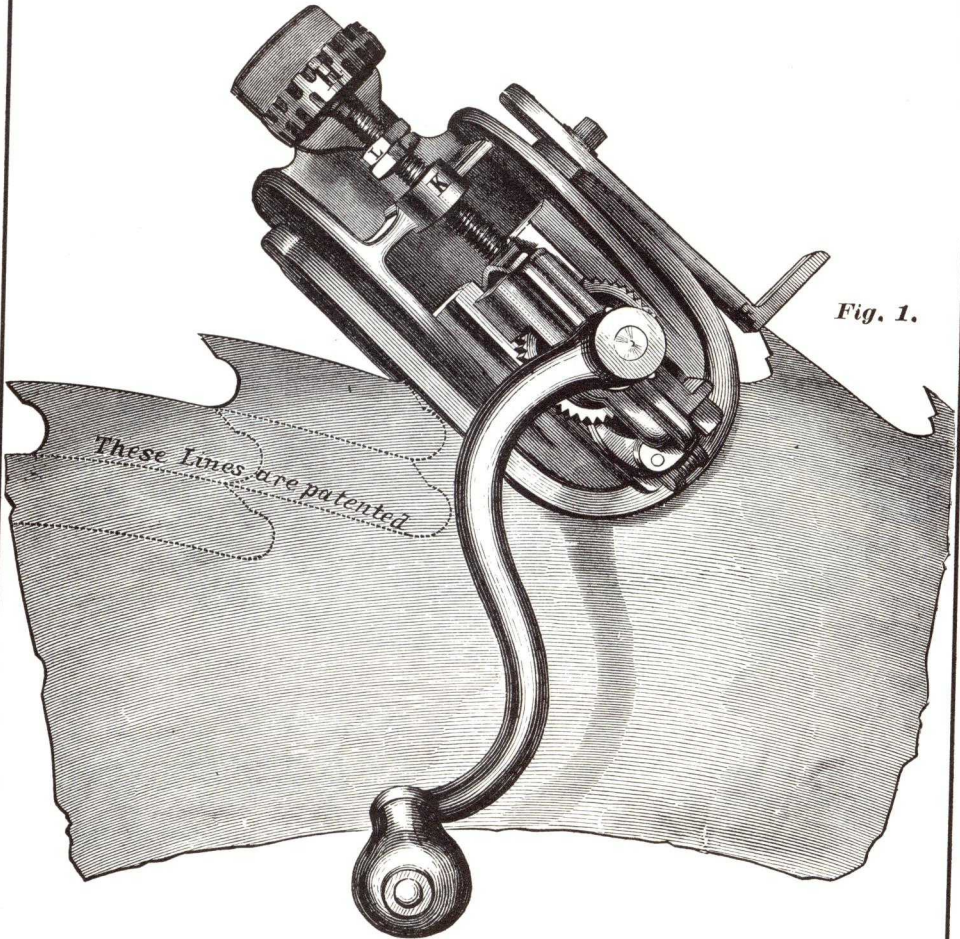


Fig. 1.

Obverse views of No. 2 Gummer or Chambering Machine.

Figs. 1 and 2 represent obverse views of the same machine, adapted for gumming either Circular or Straight Saws.

Fig. 1 shows Gummer in position for gumming a Circular Saw. The gauge *C* (Fig. 2) being removed, screw the Gummer in proper position by means of screws *A* (Fig. 2); run the screw *H* as far back as necessary; set the jam-nuts *L* to correspond with the desired depth of gullet. Gauge *F* must now be placed so as to strike the point of the tooth in front of it. Then proceed with the gumming until the jam-nuts *L* strike the frame *K*. Remove Gummer to next tooth, and repeat the operation until all the teeth are gummed. The jam-nuts must not be moved until the whole operation is completed.

HENRY DISSTON & SONS' No. 2 PATENT SINGLE-GEARED GUMMER OR CHAMBERING MACHINE.

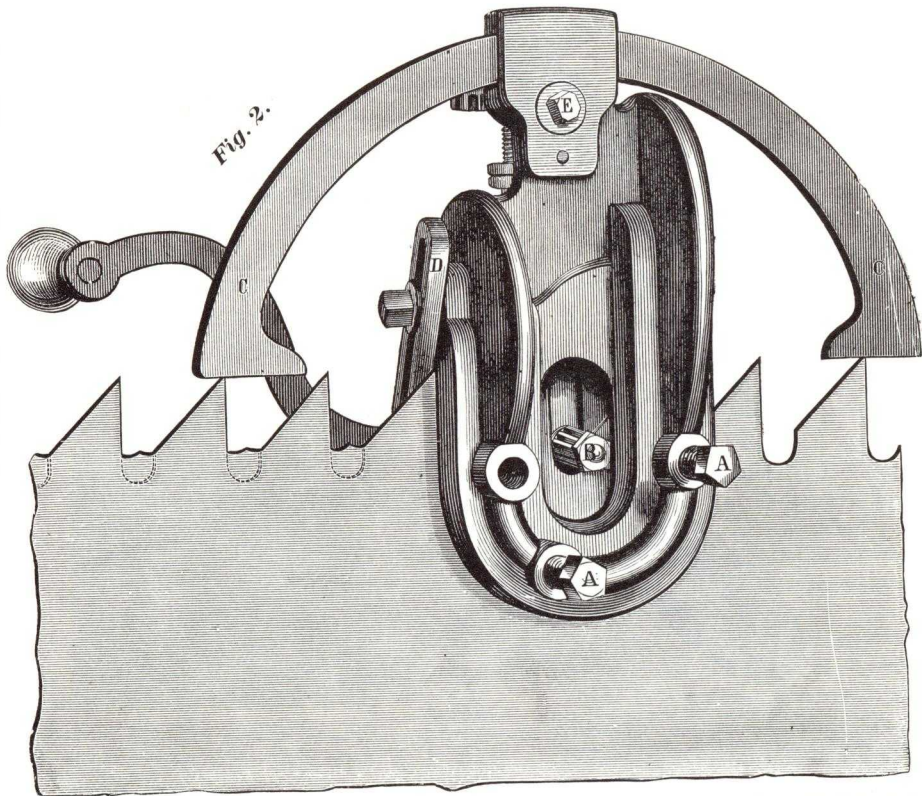


Fig. 2 shows the obverse side of Fig. 1, with Gummer in position for gumming a Straight Saw. Place the cutter *B* in gullet of the tooth to be gummed, the gauge *C* resting on the point of the teeth. Secure the Gummer in position by means of screws *A*; run the cutter back as far as necessary by means of screw *H* (Fig. 1); set the jam-nuts *L* (Fig. 1) to correspond with the desired depth of gullet, and proceed to gum the first tooth, feeding with screw *H* (Fig. 1) until jam-nuts strike frame *K* (Fig. 1). When this tooth is sufficiently gummed, remove the machine to the next tooth, and proceed as before until the Saw is gummed completely.

This machine has recently been much improved, an extra gauge *D* having been attached to the opposite side of the Gummer, the two gauges *D* being used in place of the circular gauge *C*, for the purpose specified.

The cutter has also been furnished with a bearing on each side, which greatly adds to its strength and effectiveness.

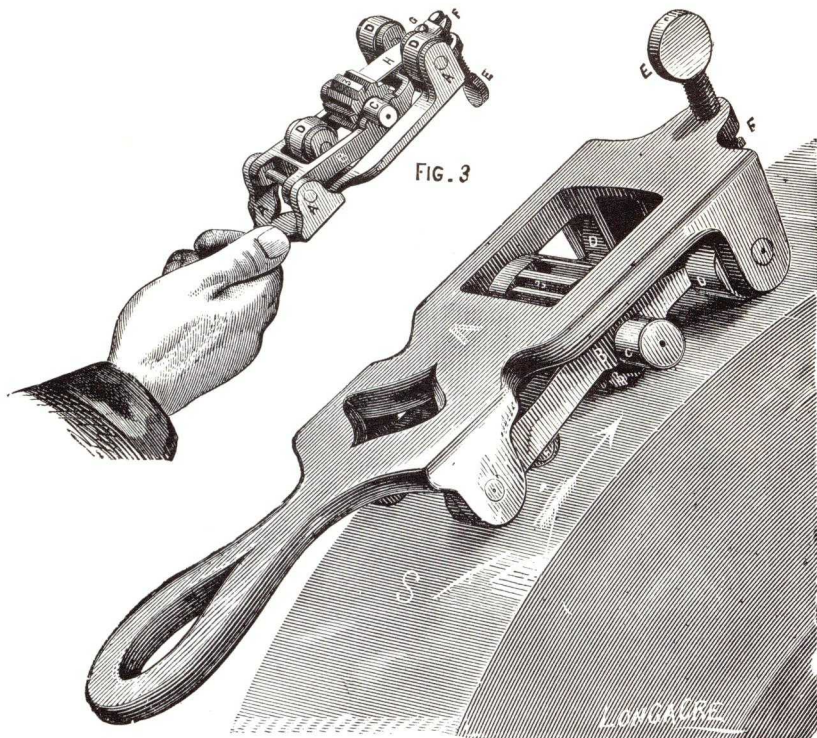
GUMMER-CUTTERS.



	$\frac{1}{2}$ in.	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.	$\frac{7}{8}$ in.	1 in.	$1\frac{1}{8}$ in.	$1\frac{1}{4}$ in.	$1\frac{3}{8}$ in.	$1\frac{1}{2}$ in.
Each .	.40	.50	.60	.65	.65	.80	.90	\$1.05	\$1.20

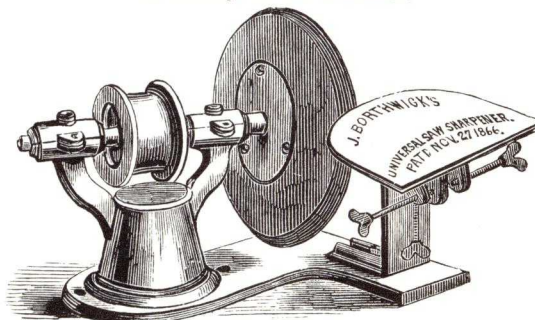
N.B.—The 1 inch to $1\frac{1}{2}$ inch Cutters are for the No. 1 Gummer, and the $\frac{1}{2}$ to $\frac{7}{8}$ inch for the No. 2 Gummer.

DEVICE FOR HOLDING THE CUTTER OF CHAMBERING MACHINE IN POSITION DURING THE PROCESS OF SHARPENING.



A is the main frame; D, the rollers; B, the adjustable frame; 3, the cutter; C, the cutter shaft; E, F, the screw for regulating the adjustable frame B; G, the screw for tightening spring H, which holds the cutter 3 in a proper position while grinding; S is the grindstone. The stone should have a perfect straight face and run through in the direction of the arrow. In using this machine care should be taken to hold it in line with stone. Screw the adjustable frame (which can be adjusted to any pitch) down till the cutter touches the stone; then see if the cutter is in its proper position; if not, it can be adjusted by spring H, by moving the spring either backward or forward.

BORTHWICK'S PATENT STATIONARY SAW-SHARPENING MACHINE, Or Emery-Wheel Gummer.

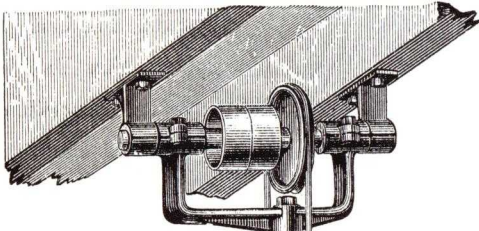


Price \$20.00

PATENT VULCANITE EMERY WHEELS.

Of Superior Quality, for Gumming and Sharpening Saws.
The stock size is 10½ in. diameter, ⅝ in. thick, ¾ in. hole bevel edge.
SPECIAL SIZES MADE TO ORDER.

BORTHWICK'S PATENT SWINGING SAW-SHARPENING MACHINE.



For the purpose of sharpening the Saw without removing it from the Mandrel. When the Machine is required to be used, the operator grasps the handle *B*, and adjusting the frame *C*, as may be necessary, applies the cutter *A* to one of the Saw-Teeth, which is speedily sharpened or reduced to any desired shape; the Saw is then turned so as to bring the next Tooth to the proper position, and the operation is repeated.

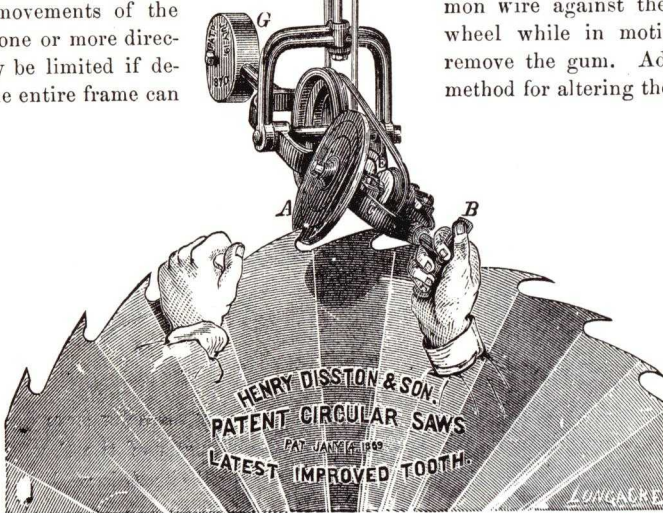
Owing to the numerous joints in the hanging frame of the Machine, the cutter may be turned to any position, and may be passed in any direction over, or applied at any angle to the edge of the Saw, without removing it from the Mandrel, but the movements of the cutter in one or more directions may be limited if desired. The entire frame can

be freely swung in any position required to apply the cutter properly to the Teeth of the Saw.

The extension arm *D* may be lengthened or shortened to accommodate the size of any Saw, or to suit the tension of the belt. When not in use, the Machine may be swung upwards and secured in a position near the ceiling, and thus be entirely out of the way, and yet can be brought into instant service whenever the Saw requires to be sharpened.

A few light slivering cuts will put the Saw in order. The wheels ought to run about 1200 turns per minute.

Should they become glazed through use, press a piece of common wire against the face of the wheel while in motion, and thus remove the gum. Adopt the same method for altering their shape.



Price \$55.00

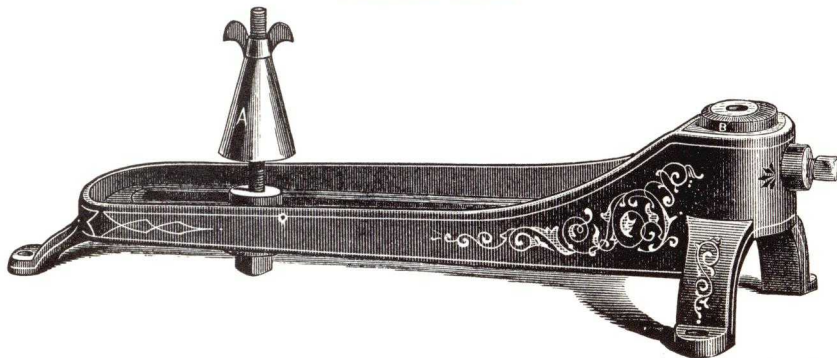
HENRY DISSTON & SONS' IMPROVED SIDE FILE.



The Side File is used for the purpose of regulating Saw Teeth after they have been set. It is impossible to set a Saw so that some of the Teeth will not extend or be bent over a little more than others, and thus make rough lumber. By the use of this instrument all the Teeth are made even, and a Saw thus regulated will run twice as long without sharpening. The File must be so adjusted by means of the set-screws as to conform to any width of set desired. The jam-nuts are for the purpose of securing the set-screws in the desired position.

Price \$1.50

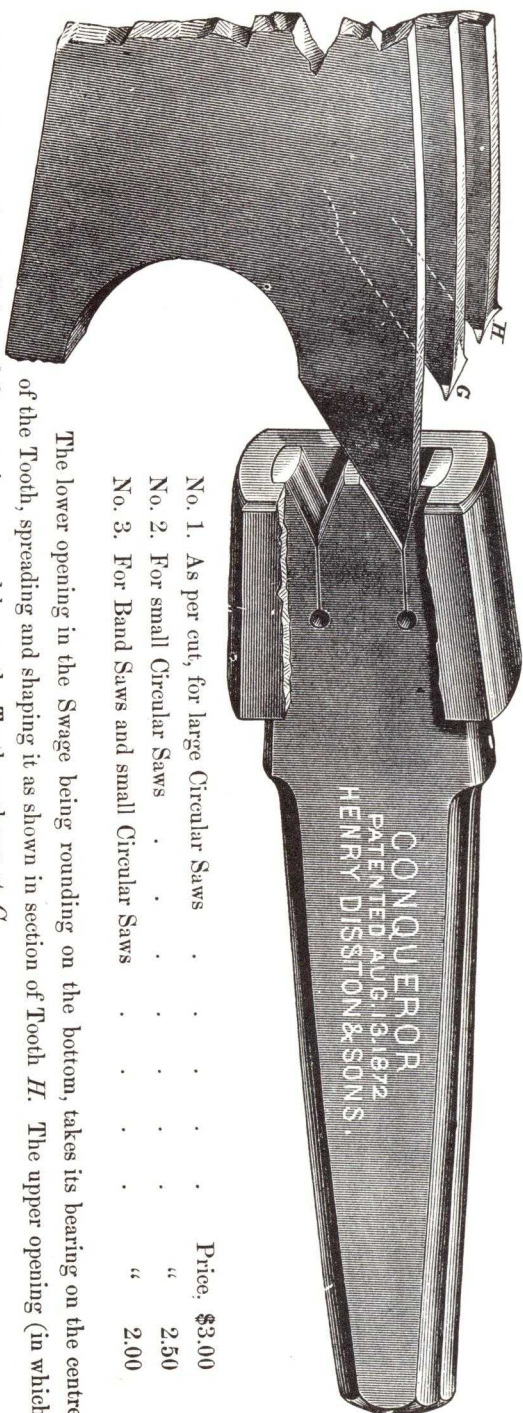
HENRY DISSTON & SONS' IMPROVED ADJUSTABLE SETTING STAKE FOR CIRCULAR SAWS.



Price \$5.50

This valuable tool can be adjusted to set a Saw of any diameter from 6 to 30 in. The Cone *A* must be moved in or out to suit the diameter of the Saw, and raised or lowered as may be required. The movable Anvil or Stake *B* is made of hardened steel, and some portions of the face being beveled more than others the operator can regulate the Set as he may desire.

THE CONQUEROR SWAGE, JUMPER, OR UPSET.



No. 1. As per cut, for large Circular Saws	Price, \$3.00
No. 2. For small Circular Saws	" 2.50
No. 3. For Band Saws and small Circular Saws	" 2.00

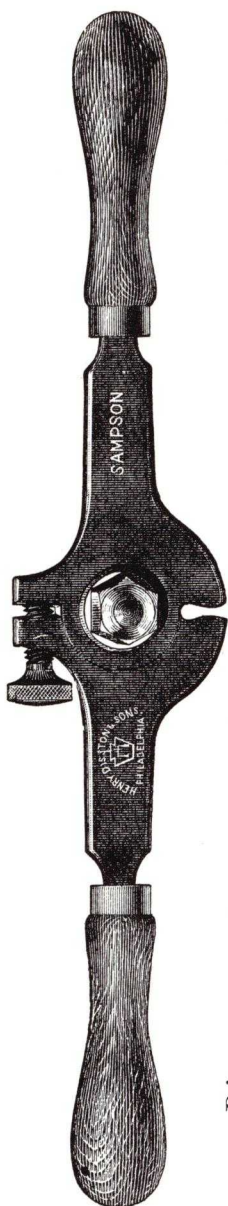
The lower opening in the Swage being rounding on the bottom, takes its bearing on the centre of the Tooth, spreading and shaping it as shown in section of Tooth *H*. The upper opening (in which section of Tooth is inserted) is used for squaring up, and leaves the Tooth as shown at *G*.

The Teeth of a Saw require to be swaged to a sharp, keen edge, and the bottom of the openings in the Conqueror being slotted, it is impossible to blunt or injure the fine cutting-edge of the Tooth, which is frequently done by other Swages. One of the principal drawbacks in the manufacture of solid Swages has been the difficulty experienced in properly hardening them at the **BOTTOM OF THE OPENING**, which portion of Swage does all the work, and requires to be hardened in the most perfect manner.

The Conqueror is hardened before the sleeve is driven on, and the hardening composition passes freely through the slots at the bottom of the openings, thus insuring an even and correct hardening in that portion of the Swage where it is most required.

THE SAMPSON SAW SET.

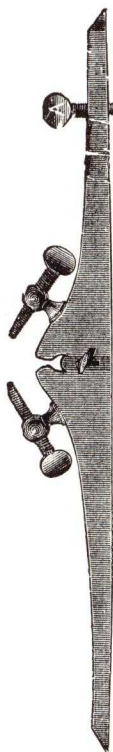
The most useful, powerful, and desirable in existence.



Price \$4.00

It is made of the best refined cast-steel, in two sections, and united in the centre by a bolt, which serves as an axis; thus it can be readily adjusted by means of the Set Screw to suit the thickness or gauge of any Saw.

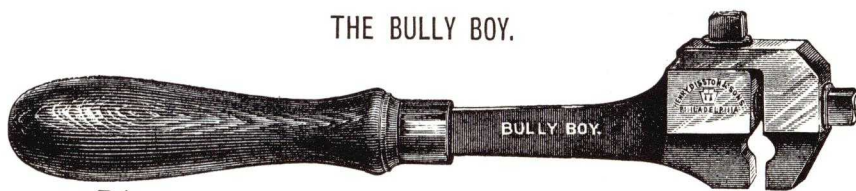
REGULATING SAW SET.



Price \$6.00

This improved Saw Set, made from cast-steel, can be so adjusted as to give accurately the amount of set required, the screws on each side of the opening being used for that purpose; the slide in the opening regulating the depth of spring or set, the screw A, on end of set, forming a gauge. As each tooth is bent over, apply the gauge, and thus test the correctness of the set. In ordering this Set, give the gauge of Saw to be set.

THE BULLY BOY.



Price \$4.00
This is a first-rate Saw Set, and can be relied on to give satisfaction.

AUTOMATIC SAW-FILING MACHINE.

Fig. 1.

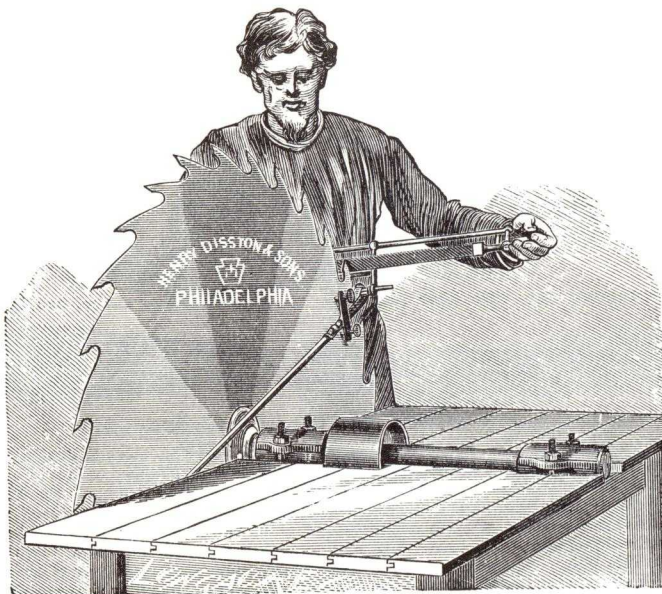


Figs. 1 and 2 represent obverse views of the best Filing Machine we have ever seen. Every Saw-Mill must have one. It won't pay to be without it. With this machine an inexperienced man can file a Saw with accuracy and dispatch as well as the most practiced hand. You cannot get wrong if you try. It can be used with equal facility on both Circular and Straight Saws. It will file a Tooth perfectly square, top and bottom, or it will file a bevel-point and square-back, or a square-point and bevel-back, without changing the machine.

It is adjustable, and enables the Sawyer to file from either right or left, giving the Saw-Tooth any required pitch, bevel, or angle, with perfect accuracy.

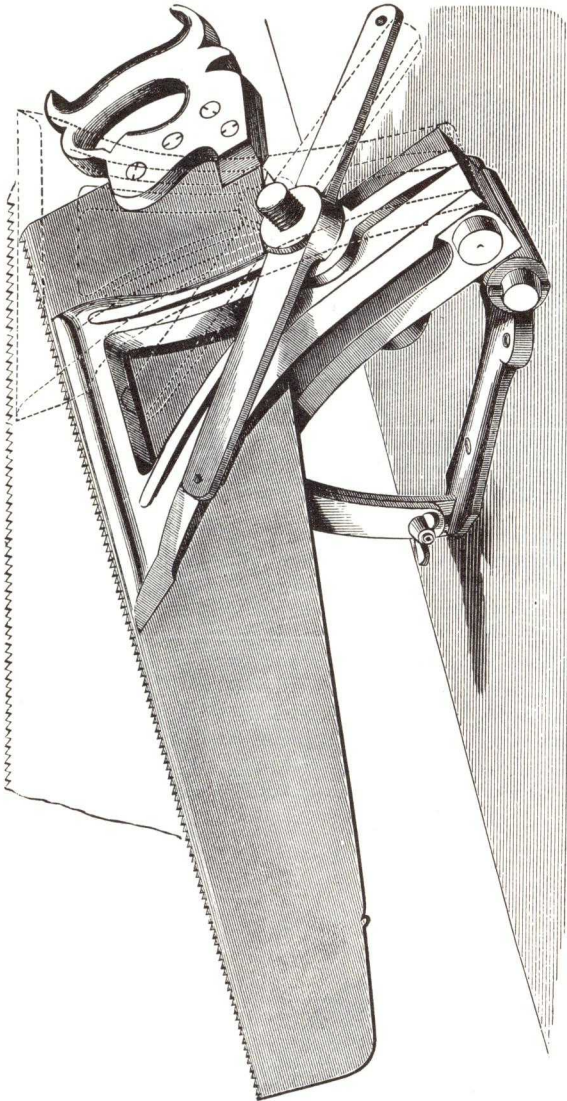
With this machine every Tooth can be filed the exact counterpart of its fellow, thus insuring that regularity and evenness in shape so much desired.

Fig. 2.



Price, including File \$5.00

DISSTON'S IMPROVED UNIVERSAL SAW CLAMP.



Price

\$5.00

This engraving represents our new Clamp, with hand saw in position for filing. Experience has demonstrated that a fast-cutting cross-cut hand saw must have deep teeth. To make them deep they must be filed on an angle. To do this to advantage, the Clamp should be set to the desired angle, as shown in cut, and the deep gullet tooth can, by this means, be filed even more readily than the square bottom tooth. Another great advantage to be derived from this mode of filing is, that the teeth can be set more easily and with considerably less risk of breaking. A cord attached to lever at *B*, and operated by the foot on treadle below, is used for screwing up the Clamp, thus leaving both hands free to guide the saw.

We are now making a first-class saw with this style tooth. It should be filed and kept in the same order in which it leaves the factory.

This can be readily done by using the above Clamp, and following directions. The Clamp can be set to any desired angle, or used square, as shown by dotted lines. It is gotten up in first-rate and durable style, and weighs twenty pounds. Be sure to clean the saw teeth before filing, and use the Little Wonder File.

THE LITTLE WONDER SAW FILE.

The Most Perfect Saw File ever offered to the Public. (For price, see last page.)

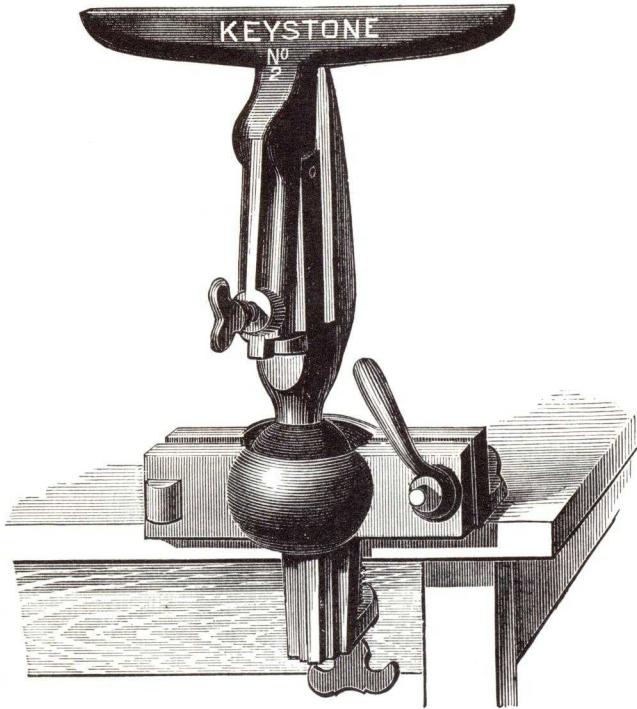


Patented September 2d and September 16th, 1873.

The manufacturers guarantee that it will do more work, and with greater satisfaction, than any Saw File in use. The grooves or indentations on each face of the File cause a larger surface of metal to be presented for the hardening process, thus insuring a more even and perfect temper to the File. The process of making the grooves by blow or pressure greatly improves the quality of the steel, and the metal removed or displaced is never required in filing a seven-point Saw; and if the teeth be filed on an angle, as they always should be where smooth and fast cross-cutting is required, a six-point tooth can be readily sharpened with this File. The gum-tip for protecting the thumb and forefinger of the operator from abrasion is much superior to the old-style thumb-stall or pad, and the peculiar shape of the handle gives the operator greater command over the File in its various manipulations. The combined advantages of this File over the old style are of such a marked character, that one trial will convince the most skeptical.

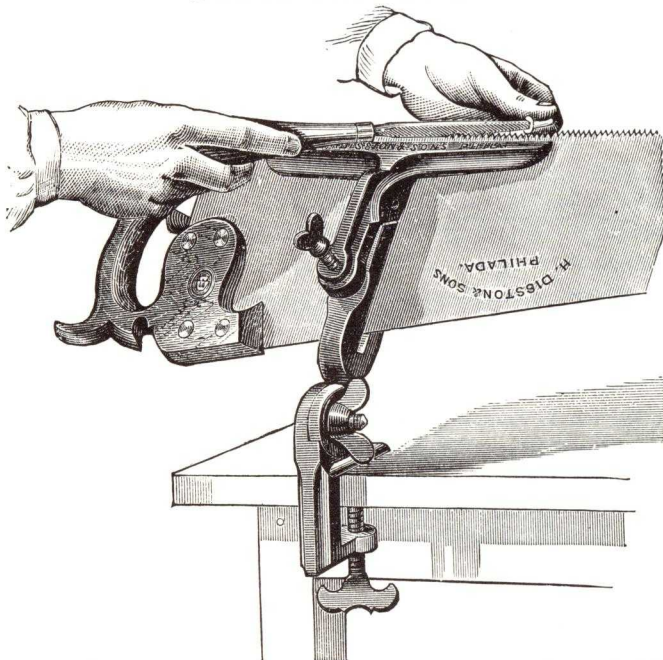
ADJUSTABLE BALL AND SOCKET SAW CLAMP.

Price, Japanned \$16.00 per doz.



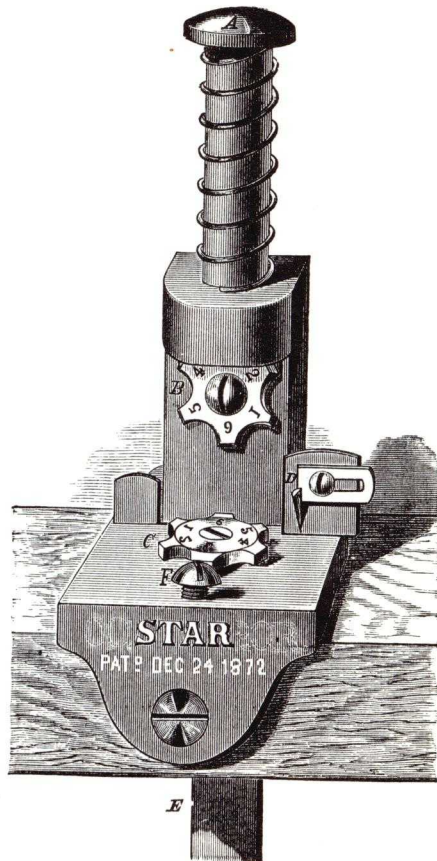
By the use of this Clamp a Saw can be filed at any angle, or square as the operator may desire.

ADJUSTABLE SAW CLAMP.



Price, Japanned \$12.00 per doz.

HENRY DISSTON & SONS' STAR SAW SET.



Price \$18.00

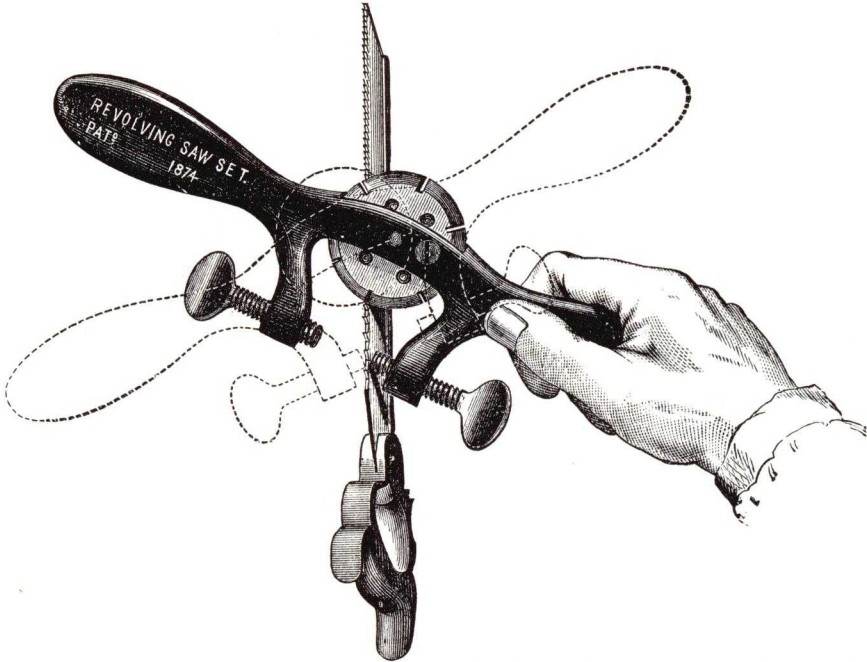
Prominent among the advantages claimed for this Set, is the fact that it can be operated wholly by the foot by means of a treadle, thus leaving the hands free to guide and manipulate the Saw.

A is the plunger, which is operated by a treadle attached to *E*, under the machine; *B* the hammer or striking part; *C* the anvil; *D* the movable gauge; *F* the screw to regulate the amount of set.

The striking part, and the anvil, or portion which receives the blow, are star-shaped, and similar in construction. The points are all of different sizes, and are numbered from 1 to 6, and are designed to set different-sized teeth.

It can be made to strike a blow as sharp and effective as though done by a hammer, and is at once the most useful and complete Saw Set that has ever been offered to the trade. If the Saw is **HARD**, several blows should be given in setting it. Raise the back of the Saw from the guide-screw *F* when the first blow is given, and gradually lower it with each blow until the process is complete. Thus many a good Saw will be saved from utter ruin. A trial will suffice. Be sure to clean the Saw Teeth before setting.

HENRY DISSTON & SONS' PATENT REVOLVING SAW SET.



No. 1, Large Size . . . \$8.50 per doz. | No. 2, Small Size . . . \$5.50 per doz.

Among the advantages claimed for this useful little tool are the following: 1st. It is portable, simple, effectual, and cheap. 2d. It can be readily adjusted to any size tooth, from a 14-point Back Saw to a 4-point Rip Saw. The tooth in front of the one being set forms a guide for the tool, and the operator can readily and with certainty slide the set from tooth to tooth, even with his eyes closed. The different bevels on the disk are in accord with the different slots for the various-sized teeth. The screws on each side determine the amount of set.

This Saw Set is portable, and is used by hand. The Star Saw Set is also much recommended.

KEY-HOLE SAW AND PAD.

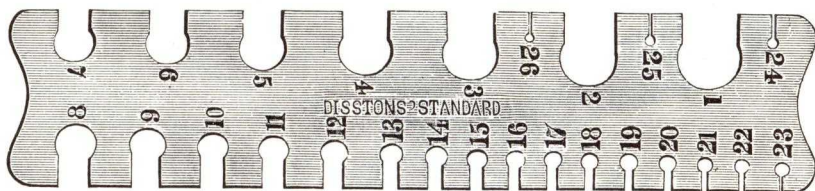


Key-hole Saw, with Handle \$2.50 per doz.

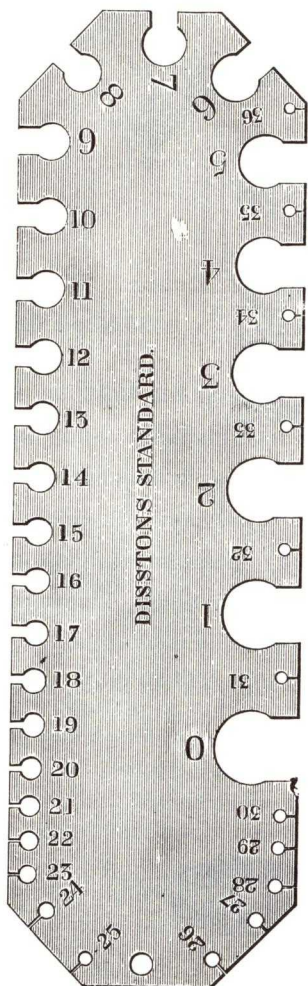
This is a cheap and convenient combination of a Key-hole Saw, Saw Pad, and Screw-Driver.

STANDARD WIRE GAUGES.

PERFECTION ATTAINED. ACCURACY GUARANTEED.



Price for Small Gauges, Nos. 1 to 26 \$22.00



Price for Large Gauges, Nos. 0 to 36 \$30.00
Special Gauges, Special Prices.

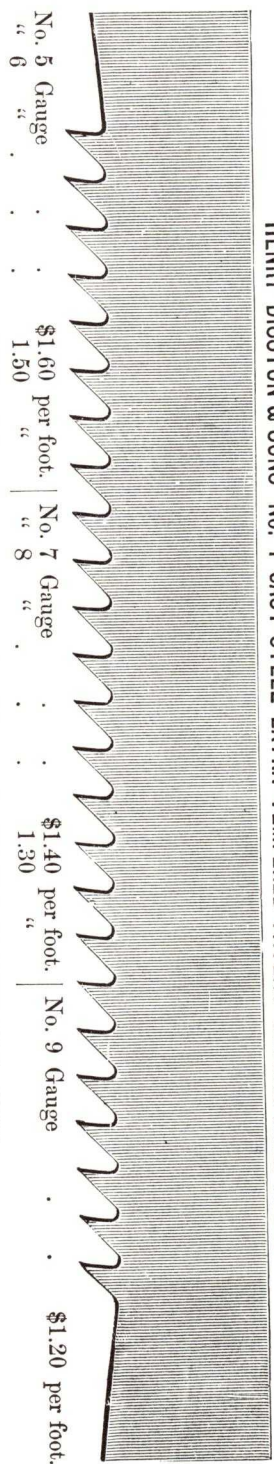
For the past forty years we have had constant trouble with various kinds of so-called Standard Gauges, and have failed to find one in every ten which could be relied on for accuracy. We have repeatedly sent special orders to both English and American makers, but have failed to obtain them true to the required standard.

To insure perfect accuracy, it is absolutely requisite that our Gauge and that of our customers should be alike, and to this end we have been compelled to enter the field in this delicate branch of manufacture. Our success is complete, and we are making a correct Standard Gauge which we warrant, and sell at a lower price than the English.

We make them to order in different series of high or low numbers, as the various branches of industry may require. For instance, when the articles to be gauged range between Nos. 0 to 10, the purchaser need not be put to the expense of a gauge running up to No. 36, when most of the numbers will be of no use to him.

Where one or more numbers are being constantly used, they wear away faster in proportion, in which event we recommend that duplicate incisions of each of the most used numbers be made in each gauge.

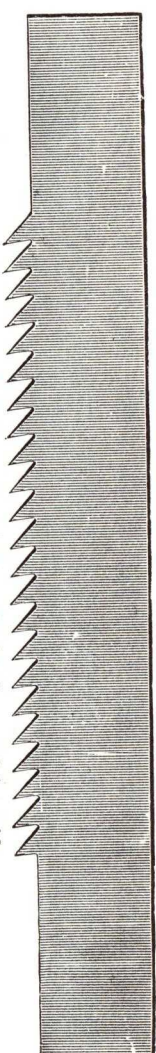
MILL SAWS.
HENRY DISTON & SONS' No. 1 CAST-STEEL EXTRA TEMPERED PATENT GROUND MILL SAWS.



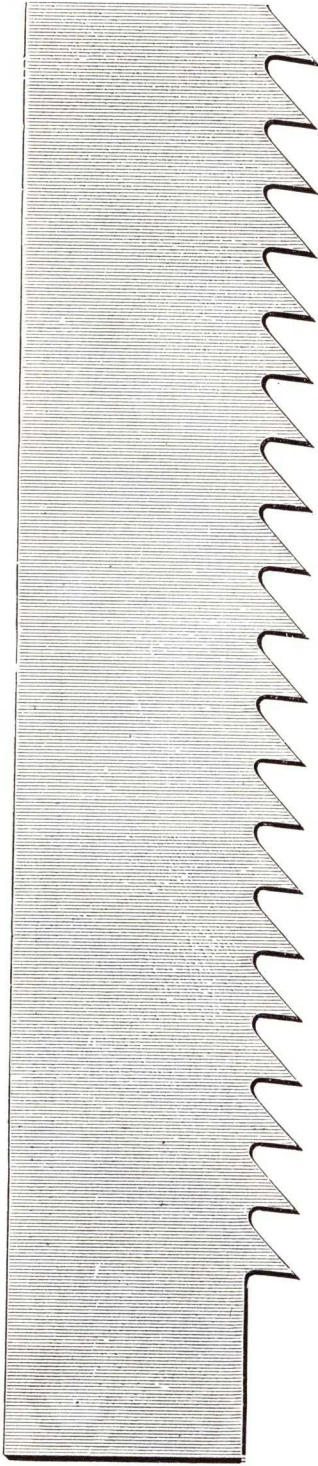
HENRY DISTON & SONS' No. 2 CAST-STEEL PATENT GROUND MILL SAWS.

No. 5 Gauge	:	\$1.60 per foot.	No. 7 Gauge	:	\$1.40 per foot.	No. 9 Gauge	:	\$1.20 per foot.
" 6	:	1.50	" 8	:	1.30		:	

HENRY DISTON & SONS' No. 1 GANG SAWS.
(Extra Tempered, Patent Ground.)



Nos. 10, 11, 12, 13, 14 Gauge, 8 in. wide . . . \$1.10 per foot. | Nos. 15, 16 Gauge, 8 in. wide . . . \$1.20 per foot.
HENRY DISTON & SONS' No. 2 GANG SAWS (Patent Ground), 8 in. wide, 10 cents per foot less than No. 1.
Each additional inch in width, 15 cents per foot.



HENRY DISSTON & SONS' No. 1 CAST-STEEL EXTRA TEMPERED PATENT GROUND MULAY SAWS.

	4 gauge.	5 gauge.	6 gauge.	7 gauge.	8 gauge.
10 in. wide	\$2.50	\$2.30	\$2.10	\$1.90	\$1.70 per foot.
11 "	2.70	2.50	2.30	2.10	1.90 "
12 "	2.85	2.70	2.50	2.30	2.10 "

HENRY DISSTON & SONS' No. 2 CAST-STEEL PATENT GROUND MULAY SAWS.

	4 gauge.	5 gauge.	6 gauge.	7 gauge.	8 gauge.
10 in. wide	\$2.35	\$2.15	\$1.95	\$1.75	\$1.55 per foot.
11 "	2.55	2.35	2.15	1.95	1.75 "
12 "	2.70	2.55	2.35	2.15	1.95 "

HENRY DISSTON & SONS' RECIPROCAL OR DOUBLE-CUT MILL, MULAY, OR GANG SAWS.

These Saws cut upward as well as downward, commencing the upward cut as soon as the down centre is reached, and *vice versa*, thus preventing the splintering or spalling of the timber on the lower edge, and equalizing the labor on all parts of the mill. The severe pound and jerk on shaft, crank, and main box, and the immense and sudden strain on belt, crank, etc., which occur in down-cutting Saws, are thus avoided.

Price, same as regular saws.

HENRY DISSTON & SONS' WARRANTED CAST-STEEL BUTTING OR DRAG SAWS.

Tapered 7-in. butt, 5-in. point, No. 10 gauge,
\$1.10 per foot.

Tapered 8-in. butt, 6-in. point, No. 10 gauge,
\$1.10 per foot.

No. 2, ten cents per foot less.

Patent or Improved Teeth, 10 cents per foot extra.

If set and sharpened, extra price.

In ordering Drag Saws, state whether Mill Saw or Cross-cut Teeth.

N.B.—We shall invariably furnish No. 1 Mill, Mulay, Gang, and Drag Saws, when quality is not specified.

HENRY DISSTON & SONS' CAST-STEEL WHIP SAWS,

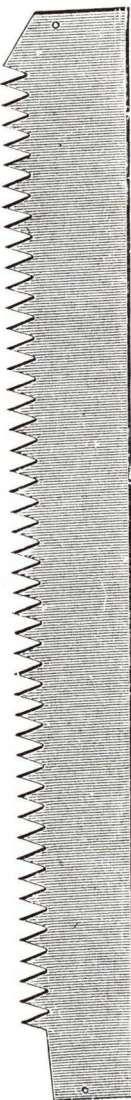
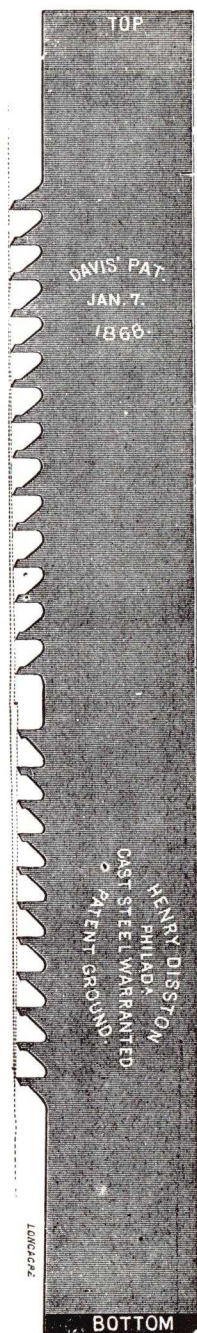
Price . . . 60 cents per foot.

FAY'S PATENT SCROLL SAWS.

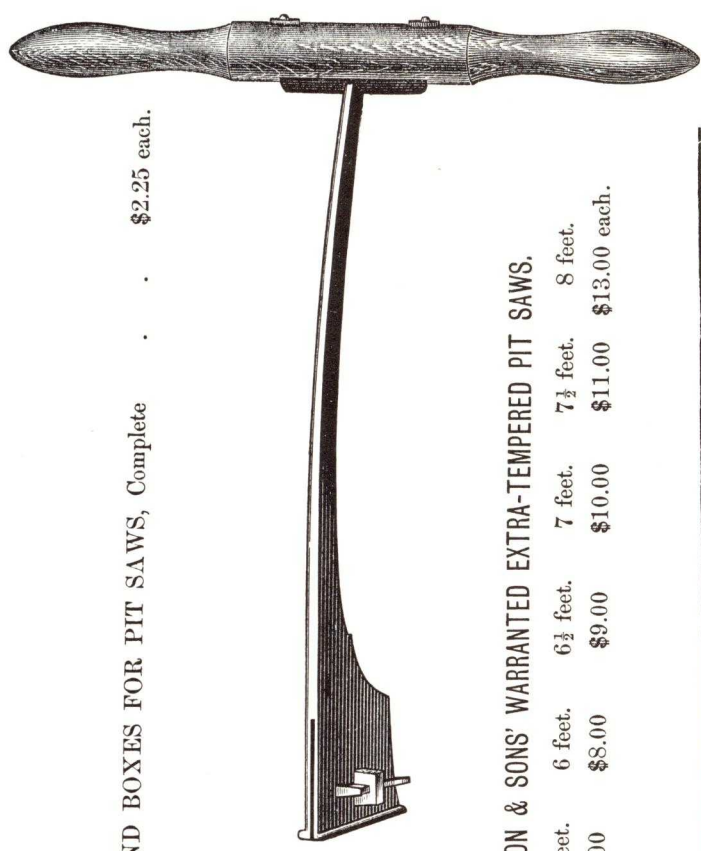
	Per Doz.		Per Doz.
8 in.	\$3.25	14 in.	\$4.75
9 "	3.50	16 "	5.25
10 "	3.75	18 "	5.75
11 "	4.00	20 "	6.25
12 "	4.25	22 "	6.75
13 "	4.50	24 "	7.25

Over $\frac{3}{4}$ in. wide, extra price.

We make the above Webs from 13 to 16 gauge in thickness.



TILLER FOR PIT SAW.

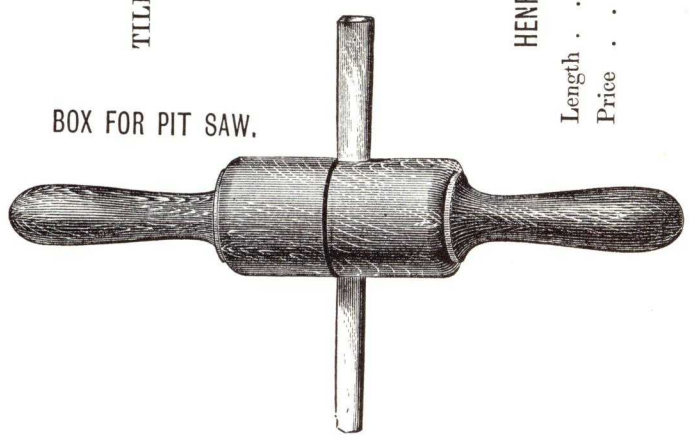


TILLERS AND BOXES FOR PIT SAWS, Complete . . . \$2.25 each.

HENRY DISSTON & SONS' WARRANTED EXTRA-TEMPERED PIT SAWS.

Length . . .	5½ feet.	6 feet.	6½ feet.	7 feet.	7½ feet.	8 feet.
Price . . .	\$7.00	\$8.00	\$9.00	\$10.00	\$11.00	\$13.00 each.

BOX FOR PIT SAW.





CROSS-CUT SAWS.

In the manufacture of all our fast-cutting Cross-cut Saws, we have carefully avoided the pernicious and destructive practice of making *under-cut teeth*. This idea has been exploded long ago. It is simply applying a rip-tooth to the purpose of cross-cutting. To get an under-cut the teeth must be widest at the extreme point, and each successive filing must result in rapid reduction in width, and ultimate loss of shape.

THE GREAT AMERICAN.

Patented October 4th, 1870.

Set and Sharpened, 65 Cents per foot.

In introducing this Saw to the trade, the manufacturers would remark that it has been subjected to the most severe tests, which have determined the fact that it is one of the **BEST CROSS-CUT SAWS** ever offered to the public. The most important peculiarities of this Saw are as follows:

The outer teeth of each section are as sharp and effective cutting teeth as the teeth of a Rip Saw, while the middle or regulating tooth determines the extent of the cut in proportion to the bevel of said tooth. The more you bevel the centre tooth, the faster the Saw cuts, whereas if the centre tooth be filed square the Saw takes less hold on your log, and requires less muscle to drive it. Thus you can regulate your saw to suit the strength of the parties working it.

In using this improved Saw there is none of that "*tearing of the wood, undue friction and drag,*" which in many other improved Cross-cut Saws demand so much muscular exertion without a commensurate result.

The manufacturers declare that there is no Cross-cut Saw in the market by which so much work can be done in ten hours, with so little exertion, as the "*Great American Regulating Cross-cut.*"

THE LUMBERMAN.

Set and Sharpened, 65 Cents per foot,

Is greatly preferred in some sections of the country, and can be easily kept in order if filed according to directions, when so many of the fast-cutting Saws of the present day must lose their shape and cannot be kept in order.

In filing this Saw, the round-edge mill-file should be used, and by pressing a little downward as well as sideways you can keep the tooth at all times in the same shape it leaves the factory. Attached to the Lumberman and Climax Saws will be found our new Patent Cross-Cut Handle, which is at once the most simple and complete detachable handle now in use. Place the end of the Saw-blade into the slot in the casting, then drop the pin or rivet into its position, and a few turns of the wing-nut secures the handle immovably to the Saw. Although the pin is quite loose when the handle is detached from the Saw, it is by a simple contrivance secured in its place, ready for use,—an advantage which will be fully appreciated by all lumbermen. We guarantee this handle to be superior to any in use.

THE CLIMAX.

Set and Sharpened, 65 Cents per foot.

The construction of the Climax is similar to the Lumberman, the only difference being the introduction of a cleaner-tooth between every two sections of the Lumberman tooth, which in some parts of the country is deemed to be an advantage.

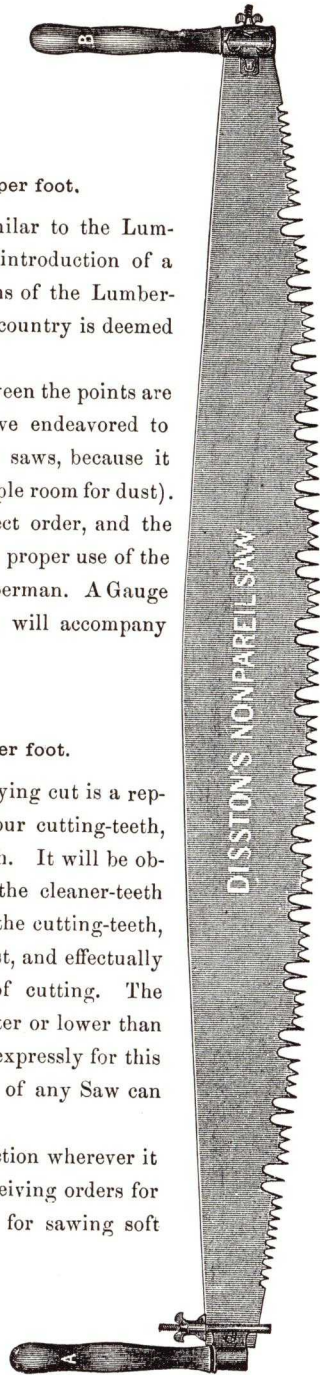
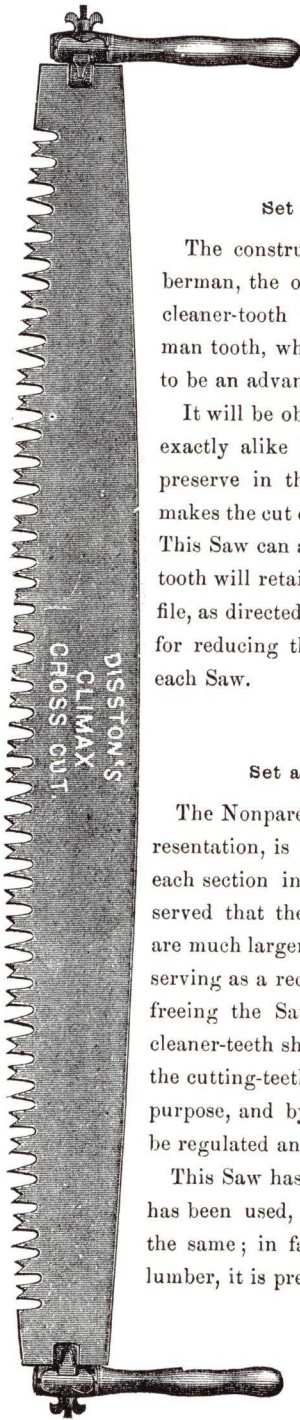
It will be observed that the spaces between the points are exactly alike (a principle which we have endeavored to preserve in the manufacture of all our saws, because it makes the cut clean and even, leaving ample room for dust). This Saw can also be easily kept in perfect order, and the tooth will retain its original shape by the proper use of the file, as directed in the article on the Lumberman. A Gauge for reducing the length of cleaner-teeth will accompany each Saw.

THE NONPAREIL.

Set and Sharpened, 65 Cents per foot.

The Nonpareil, of which the accompanying cut is a representation, is composed of sections of four cutting-teeth, each section intersected by a cleaner-tooth. It will be observed that the cavities on each side of the cleaner-teeth are much larger and deeper than those of the cutting-teeth, serving as a receptacle or chamber for dust, and effectually freeing the Saw during the operation of cutting. The cleaner-teeth should always be kept shorter or lower than the cutting-teeth. (We furnish a Gauge expressly for this purpose, and by its use the cleaner-teeth of any Saw can be regulated and kept of exact length.)

This Saw has given unbounded satisfaction wherever it has been used, and we are constantly receiving orders for the same; in fact, in some sections, and for sawing soft lumber, it is preferred to any other Saw.



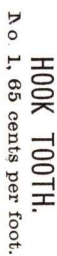
Set and Sharpened. Price, 65 cents per foot.



Set and Sharpened. Price, 65 cents per foot.



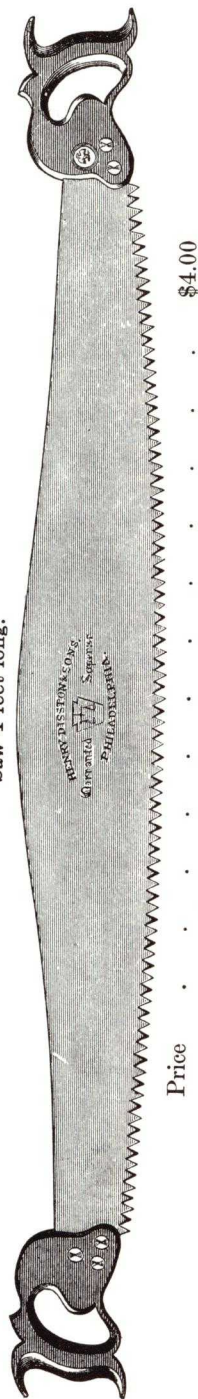
Set and Sharpened. Price, 65 cents per foot.



Hook Tooth, No. 2, set and sharpened	60 cts. per foot.	Cast-Steel, No. 2, Plain Tooth, set and sharp'd	60 cts. per foot.
" " "	" "	" " "	" "
" " 3 ₂	" "	" " 3 ₂	" "
" " "	" "	" " "	" "
" " 54	" "	" " 54	" "

SKEW BACK CROSS-CUT SAW, WITH IMPROVED HANDLES.

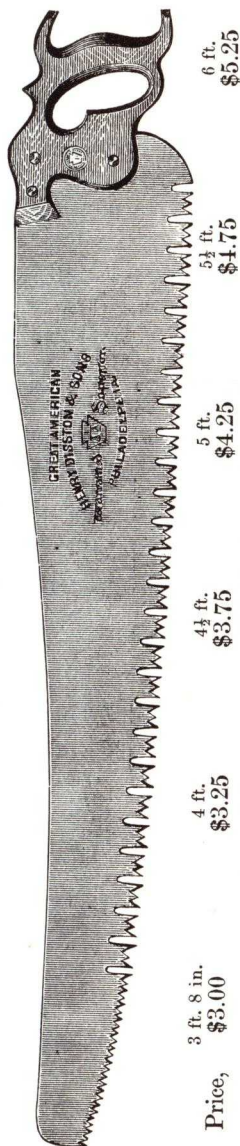
Saw 4 feet long.



Price \$4.00

SKEW BACK ONE MAN CROSS-CUT SAW.

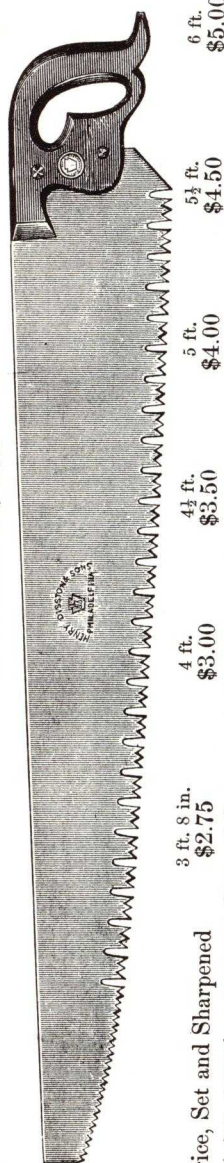
Patented June 23d, 1874.



3 ft. 8 in.	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
Price, \$3.00	\$3.25	\$3.75	\$4.25	\$4.75	\$5.25

HENRY DISSTON & SONS' ONE MAN CROSS-CUT SAW.

Patented October 4th, 1870.



3 ft. 8 in.	4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.
Price, Set and Sharpened \$2.75	\$3.00	\$3.50	\$4.00	\$4.50	\$5.00

The last two engravings represent Cross-cut Saws especially adapted to the use of one man. With these Saws four times as much work can be performed as with ordinary Saws. Bridge-builders, mill-men, railroad and other contractors—in fact, all large establishments, will find these very useful tools, and easily worked. For cutting off girders, joists, blocking, or heavy lumber of any kind, they are just what are required.

GAUGE FOR REGULATING CLEANING TEETH.

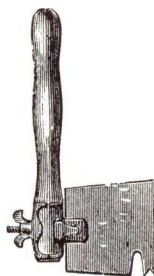


Showing the Gauge in Position for Filing the Cleaner-Tooth.

The cleaning teeth of all Saws should be somewhat shorter than the cutting teeth, and, although shortened, they should be of uniform length throughout.

The inner edge of the Gauge rests on the points of the cutting teeth, the cleaning teeth projecting through the opening in centre of Gauge. Reduce the projecting points, by means of a file, until arrested by the edges of the Gauge, which is made of hardened steel. Thus tooth after tooth can be rapidly and correctly reduced to an even length by any unskilled operator. One Gauge furnished free with each Cross-cut Saw having cleaning teeth.

CROSS-CUT HANDLES.

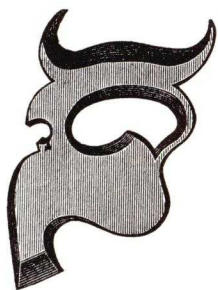


Cross-cut Handles 60 cents per pair.

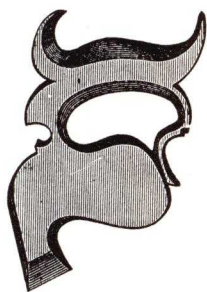


Cross-cut Saw Handles Plain, 10 cents per pair.

HANDLES.



								16-18 in.	20-22 in.	24-26 in.
Hand Saw, No. 0	.	.	.	.	.	.	.			\$1.25
" " 1	.	.	.	.	.	.	.			1.40
" " 3	.	.	.	.	.	.	.	\$1.30	\$1.50	1.50
" " 4	.	.	.	.	.	.	.			2.00
" " 7	.	.	.	.	.	.	.	2.25	2.25	2.50



								8-10-12 in.	14-16 in.
Back Saw, No. 1	.	.	.	.	.	.	.	\$1.25	\$1.50
" " 4	.	.	.	.	.	.	.	2.50	2.75
Compass Saw	.	.	.	.	.	.	.		1.25

Saw Handles made to suit the Market, in both Prices and Quality.

DISSTON & SONS' WARRANTED CAST-STEEL PATENT GROUND AND TEMPERED HAND, PANEL, AND RIP SAWS.



No. 7. DISSTON & SONS' Cast-Steel, warranted, Beech Handle, Pol. Edges, 4 Rivets.

	26 in.	28 in.	30 in.
Per doz.,	\$20.00	\$24.00	\$27.00

No. 8. DISSTON & SONS' Spring-Steel, warranted, Apple Handle, Pol. Edges, 4 Rivets.

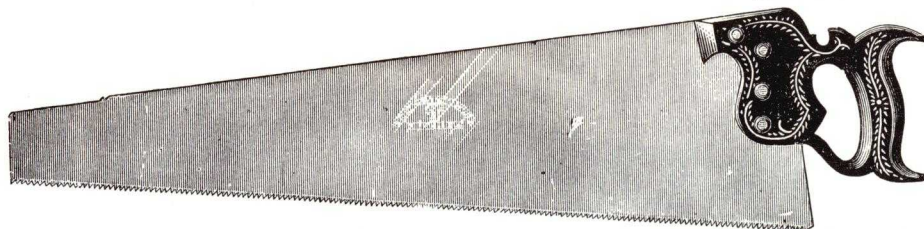
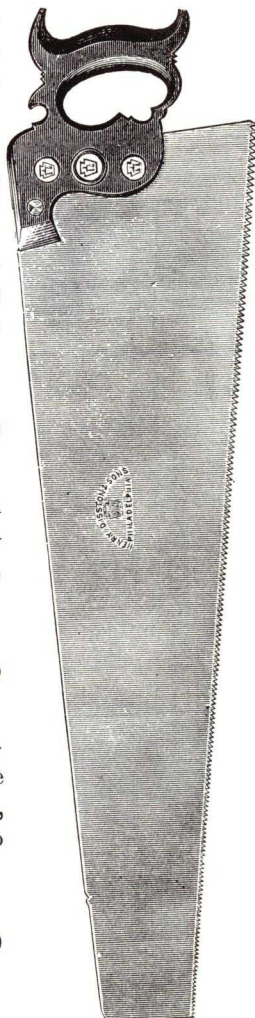
	26 in.	28 in.	30 in.
Per doz.,	\$22.50	\$26.00	\$30.00

No. 9. DISSTON & SONS' EXTRA London Spring, warranted, Apple Handle, Pol. Edges, 4 Rivets.

	26 in.	28 in.	30 in.
Per doz.,	\$28.00	\$32.00	\$36.50

No. 99. Same Saw as No. 9, Selected Blades, Prize Medal Saw, Etched, EXTRA REFINED LONDON SPRING.

	26 in.	28 in.	30 in.
Per doz.,	\$30.00	\$34.00	\$38.00

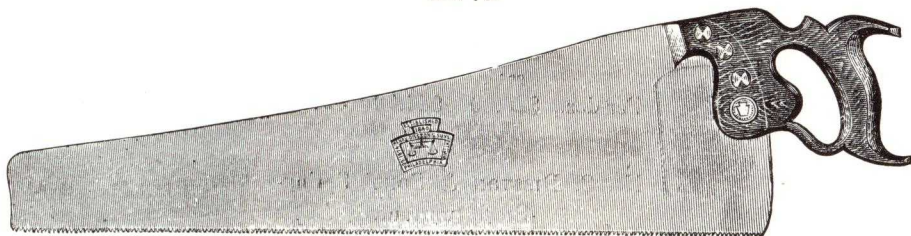


No. 12. DISSTON & SONS' EXTRA REFINED LONDON SPRING, Selected and Highly Pol. Blades, Handle Carved and Polished, 4 Raised Brass Screws and Steel Washers—the finest Hand Saw manufactured.

	26 in.	28 in.	30 in.
Per doz.	\$35.00	\$40.00	\$45.00

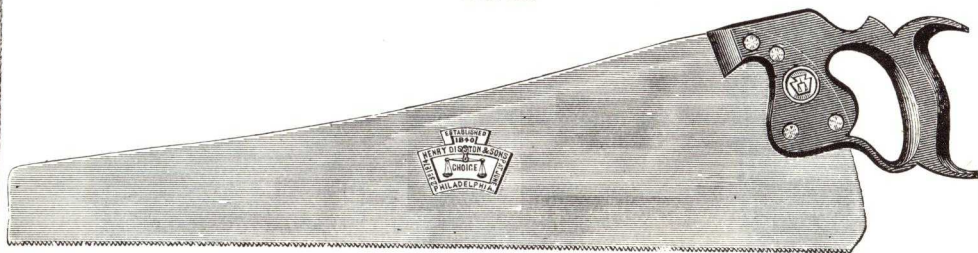
HENRY DISSTON & SONS' NEW PATENT SKEW BACK HAND SAW, CENTENNIAL.

No. 76.



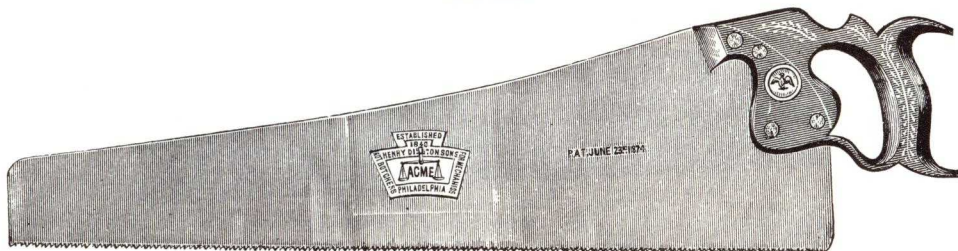
CHOICE.

No. 80.



ACME.

No. 120.



HENRY DISSTON & SONS' NEW PATENT SKEW BACK HAND SAWS.

We desire to call the special attention of our numerous patrons to the engravings of our new style Patent Hand Saws on opposite page, which we claim to be superior in principle and manufacture to any Hand Saws hitherto offered to the public. It is a singular fact that while vast improvements are constantly being made in all kinds of Saws, the Hand Saw of to-day in shape and style is very similar to the Hand Saw of one hundred years ago. The advantages claimed for this Saw over the old-style Hand Saw are manifold, the peculiar formation of the blade actually stiffening and strengthening it in a remarkable degree. The ordinary handle of a Hand Saw is adapted to the right hand only, by which it is generally used. When, however, extra force is required, as in ripping, there is no provision made for the left hand, and the operator is compelled to grasp the upper portion of the handle between his finger and thumb, and it is impossible to exert the full power of the left arm in this manner. The recess in the patent handle allows the introduction of the thumb of the left hand, and gives the operator full power to manipulate the Saw. The principle of attaching the handle close to the blade of the Saw is of the utmost advantage, giving the workman unlimited power and command over his Saw. One trial will convince the most skeptical.

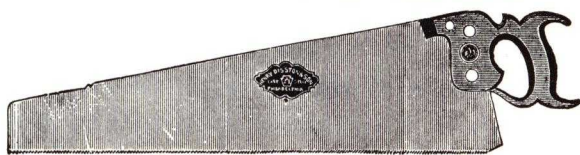
DISSTON & SONS' NEW STYLE WARRANTED CAST-STEEL PATENT GROUND AND TEMPERED HAND, PANEL, AND RIP SAWS, WITH PATENT HANDLES AND PATENT BLADES.

	26 in.	28 in.	30 in.
DISSTON & SONS' Centennial No. 76, Cast-Steel, warranted.			
Polished Apple Handle, 4 Rivets . .	\$21.50	\$26.00	\$29.00 per doz.
DISSTON & SONS' Choice No. 80, Spring-Steel, warranted.			
Polished Apple Handle, 5 Rivets . .	24.00	28.00	32.00 "
DISSTON & SONS' Acme No. 120, Extra London Spring, warranted.			
Carved and Polished Apple Handle, 5 Rivets,	35.00	40.00	45.00 "

CAST-STEEL HAND, PANEL, AND RIP SAWS.

	26 in.	28 in.	30 in.
No. 00. JACKSON, Beech Handle, Pol. Edges, 3 Rivets,	\$8.00		per doz.
" 0. TAYLOR, Beech Handle, Pol. Edges, 4 Rivets, and Etched	10.00		"
" 1. BISHOP, Beech Handle, Pol. Edges, 4 Rivets, and Etched	12.00		"
" 3. BROWN, Beech Handle, Pol. Edges, 4 Rivets, Grained Blade, and Etched, full width . . .	14.00	\$17.00	\$20.00 "
" 60. Stamped to order—Grained Blade, Pol. Beech Handle, 4 Raised Brass Screws, Steel Washers	18.50	22.00	25.00 "
" 4. MARSHALL, Beech Handle, Pol. Edges, 4 Rivets, Grained Blade, full width, and <i>war-</i> <i>ranted</i> equal to any Saw manufactured that is not stamped "DISSTON." Etched to order .	17.50	21.00	24.00 "

GENTLEMEN'S CAST-STEEL PANEL SAWS.

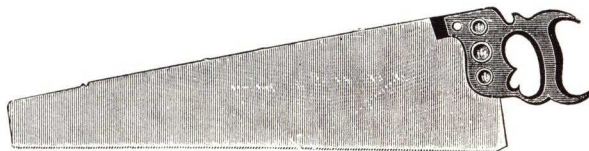


No. 7. DISSTON & SONS' Cast-Steel, warranted, Beech Handle, Pol. Edges, Etched, Grained Blade.

16 in.	18 in.	20 in.	22 in.	24 in.
\$13.00	\$14.00	\$16.00	\$18.00	\$19.50

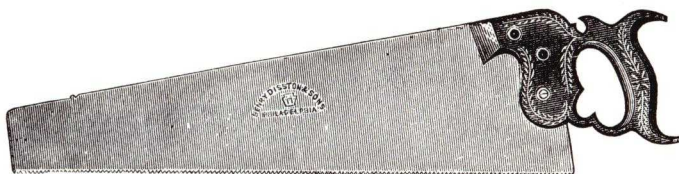
No. 8. DISSTON & SONS' Spring-Steel, warranted, Apple Handle, Pol. Edges, Etched.

16 in.	18 in.	20 in.	22 in.	24 in.
\$15.00	\$16.50	\$18.00	\$20.50	\$22.00



No. 9. DISSTON & SONS' Extra London Spring, warranted, Apple Handle, Pol. Edges, Etched.

16 in.	18 in.	20 in.	22 in.	24 in.
\$18.50	\$20.00	\$22.50	\$25.00	\$27.00



No. 12. DISSTON & SONS' Extra Refined London Spring, selected and highly Polished Blade, Handle Carved and Polished, raised Brass Screws, and Steel Washers. The finest Saw manufactured.

16 in.	18 in.	20 in.	22 in.	24 in.
\$25.50	\$27.50	\$29.50	\$32.50	\$34.00

No. 0. TAYLOR, Beech Handle, Pol. Edges.

16 in.	18 in.	20 in.	22 in.	24 in.
\$6.75	\$7.50	\$8.00	\$8.75	\$9.50

No. 3. BROWN, Beech Handle, Pol. Edges, Grained Blade, Etched.

16 in.	18 in.	20 in.	22 in.	24 in.
\$8.50	\$9.50	\$10.50	\$12.50	\$13.50

No. 4. MARSHALL, Beech Handle, Pol. Edges, Grained Blade, and warranted equal to any Saw manufactured that is not stamped "DISSTON." Etched to order.

16 in.	18 in.	20 in.	22 in.	24 in.
\$10.50	\$12.00	\$13.50	\$15.50	\$17.00

DISSTON & SONS' PATENT IMPROVED COMBINATION SAW.



One of the most complete and useful Saws ever offered to the trade. A full combination Saw, comprising the additional advantages of a Square, 24-inch Rule, Level, Plumb, Straight-Edge, and Scratch Awl.

No. 43. Combination Saw, with 24-inch Square and Rule, Straight-Edge, and Scratch Awl; Independent Handle, with Plumb and Level attachment. Blade same quality as Disstons' No. 7 Hand Saw.

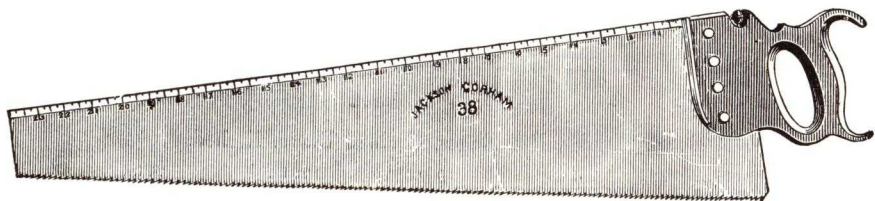
Per doz. \$38.00

No. 42. Combination Saw, with 24-Inch Square and Rule, Straight-Edge, and Scratch Awl; Independent Handle. Blade same quality as Disstons' No. 7 Hand Saw. *Without* Plumb and Level attachment.

Per doz. \$32.00

No. 39. Combination Saw, with 24-Inch Square and Rule, Straight-Edge, and Scratch Awl; Independent Handle, with Plumb and Level attachment. Blade same quality as "Brown," No. 3.

Per doz. \$28.00



No. 38. Combination Saw, with 24-Inch Square and Rule, Straight-Edge, and Scratch
Awl, with Independent Handle. Blade same as "Brown" Hand Saw No. 3.
Per doz. \$20.00

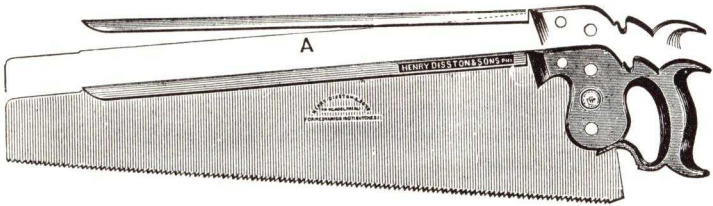


No. 29. Common Patent Combination Saw, with 24-Inch Square and Rule, Straight-
Edge, and Scratch Awl, Plain Tooth.
Per doz. \$13.50

No. 29. Same Saw, with Keystone Tooth, as per engraving.
Per doz. \$14.50

N.B.—The Keystone Tooth can be used with equal facility for both ripping and
cross-cutting. Hand Saws of any No. will be furnished with this tooth for \$1 per
doz. extra.

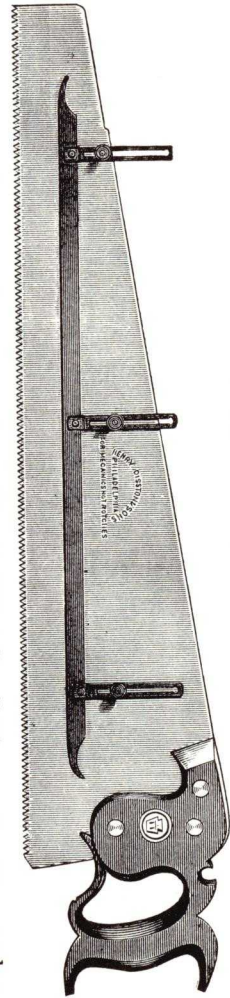
HAND SAW,
With Movable Back.



This Saw can be used with equal facility for either a Hand or Back Saw. When
the back A is removed the saw can be used as a Hand Saw. Replace the back, and a
first-class Back Saw is the result. Same quality as Disston & Sons' No. 7.

	16 in.	18 in.	20 in.	22 in.	24 in.	26 in.
Price . . .	\$16.75	\$18.00	\$20.25	\$22.50	\$24.25	\$25.00

PATENT GAUGE SAW.

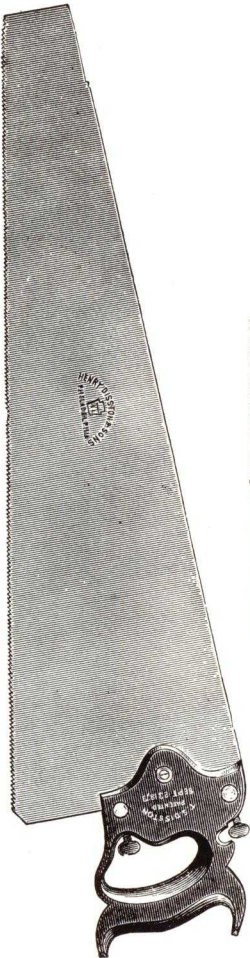


Adapted to Tenoning, Shouldering, Dovetailing, Curving, Cog-Cutting, or any purpose where a definite depth of cut is required. Same quality as Disston & Sons' No. 7.

Price 26 in. \$24.00

HAND SAW,

With Patent Adjustable Handle.



By the use of the Thumb Screws the Rake or "Hairy" of the Saw can be regulated to meet the desire of the operator. Blade same quality as Disston & Sons' No. 7.

Price 26 in. \$24.50

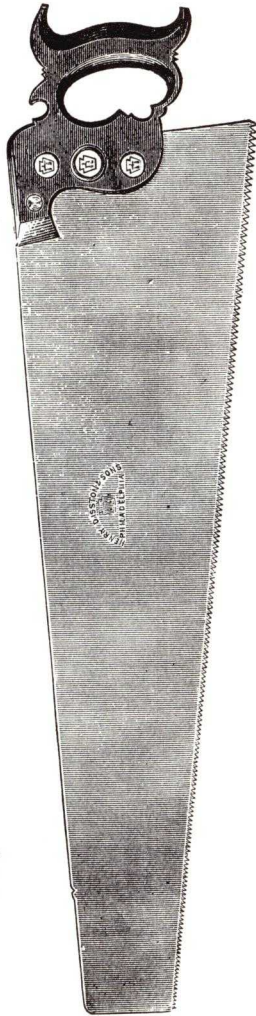
MITRE BOX SAW.



Special Saws for mitre boxes made to order.

THE MECHANICS' OWN.
HAND AND BACK SAWS.

For fine Cabinet Work, sawing Mitres, and in all instances where rapid and smooth cutting is required, this Saw is particularly adapted. The use of a shooting plane and board can be dispensed with where this Saw is used, as it will cut a joint sufficiently smooth to glue without planing. In sharpening this Saw, care must be taken to file the Teeth the same angle as they are when they leave the Factory.



No. 77. HAND SAW, DISSTON & SONS' MECHANICS' OWN, to run without set.

Price	.	.	.	.	.	.	.	26 in.	28 in.
								\$34.00	\$39.00

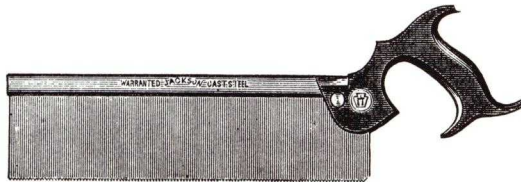


No. 77. BACK SAW, DISSTON & SONS' MECHANICS' OWN, to run without set.

Price	.	.	.	.	.	.	.	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.
								\$17.00	\$18.00	\$22.50	\$25.50	\$29.00	\$32.50

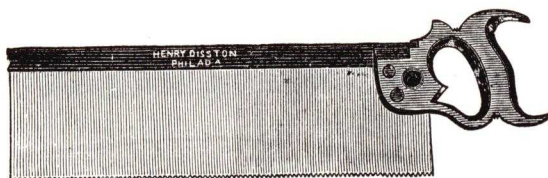
IMPROVED QUALITY CAST-STEEL BACK SAWS,

With Steel Backs.



No. 1. JACKSON'S Beech Handle, Polished Edges, Blue Back.

		8 in.	10 in.	12 in.	14 in.	16 in.	18 in.
Per doz.	.	\$9.00	\$10.00	\$12.00	\$14.00	\$16.00	\$18.00



No. 4. DISSTON & SONS' Apple Handle, Polished Edges, Blue Back.

	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.
Per doz. . . .	\$14.00	\$15.00	\$18.00	\$21.00	\$24.00	\$27.00

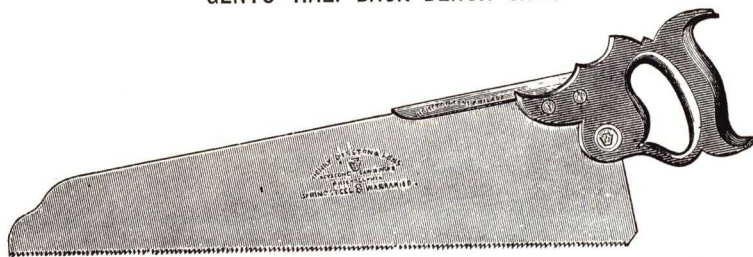
No. 5. DISSTON & SONS' as No. 4, Brass Back.

	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.
Per doz. . . .	\$18.00	\$19.00	\$22.00	\$25.00	\$29.00	\$33.00

No. 7. DISSTON & SONS' as No. 4, with Polished Steel Back.

	8 in.	10 in.	12 in.	14 in.	16 in.	18 in.
Per doz. . . .	\$15.50	\$16.50	\$20.00	\$23.00	\$26.50	\$30.00

GENTS' HALF-BACK BENCH SAW.



14 in.	16 in.	18 in.	20 in.
\$18.00	\$21.00	\$24.00	\$27.00

CAST-STEEL COMPASS SAWS.



	10 in.	12 in.	14 in.	16 in.	18 in.
No. 2. Apple Handle . . .	\$4.50	\$4.75	\$5.00	\$5.25	\$5.50

Compass Saws with interchangeable blades, 10 per cent. extra.

N.B.—Duplicate blades to order.

	Per Doz.
CAST-STEEL KEY-HOLE SAWS, extra Ground, Set, and Sharpened . . .	\$1.50
" REVERSIBLE KEY-HOLE SAW	2.00
" BLIND-MAKERS' SAWS	1.75

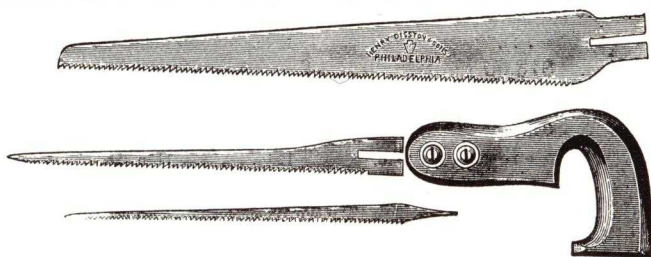
KEYSTONE TOOTH COMPASS SAW.



Compass Saws with Keystone Tooth, as per engraving above, for both ripping and cross-cutting, 10 per cent. above regular Compass Saw prices.

NEST OF SAWS. PATENTED MAY 26th, 1874.

Combining one each Key-hole, Compass, and Table or Pruning Saw.



	Per Doz.
Handles and Screws	\$2.65
Key-hole Blades	1.50
Compass Blades, 12 inches long	2.80
Pruning Blades, 18 "	5.80
	<u>\$12.75</u>

These Saws are admirably adapted to Plumbers' use, where blades are frequently broken, as they can be immediately substituted in the same Handle at trifling cost.

They will also be found a great acquisition to the Gentleman's Tool Chest, the three blades readily interchanging in the same Handle. The large blade can be used as a Table or Pruning Saw, and the smaller ones as Lock, Compass, or Key-hole Saws.

CAST-STEEL TABLE AND PRUNING SAWS.



No. 3. BROWN, Beech Handle, Polished Edges, 4 Rivets, Grained Blade, and Etched.

14 in.	16 in.	18 in.	20 in.	22 in.	24 in.	26 in.
\$7.50	\$8.00	\$9.00	\$10.00	\$12.00	\$13.00	\$13.50

No. 7. DISSTON & SONS' Cast-Steel, warranted, Beech Handle, Polished Edges, 4 Rivets.

14 in.	16 in.	18 in.	20 in.	22 in.	24 in.	26 in.
\$11.00	\$12.00	\$13.50	\$15.00	\$16.50	\$18.00	\$19.50

LIST OF PRICES FOR FRENCH STEEL BAND SAW BLADES.

Not Set, Filed, nor Joined.

$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.	$\frac{7}{8}$ in.	1 in.	$1\frac{1}{8}$ in.	$1\frac{1}{4}$ in.	$1\frac{3}{8}$ in.	$1\frac{1}{2}$ in.	$1\frac{3}{4}$ in.	2 in.
8	10	12	14	16	19	21	23	27	30	34	42	50 cts. per foot.

SETTING AND FILING, 3 CENTS PER FOOT EXTRA.

Suggestions on the Use of Band Saws.

Keep the correct pitch upon the Tooth, so as to give the Saw a proper lead into the cut. This will take the friction entirely off the stay pin. By the use of a round-edge file (made by us) the Saw will be kept from galling and breaking. To save trouble and expense, a proper pitch must be held for each kind of work and wood.

BAND SAWS OF ANY WIDTH, LENGTH, AND TOOTH, SET, SHARPENED, AND
JOINED, COMPLETE.

PATENT GROUND AND TEMPERED CAST-STEEL WOOD SAW BLADES, 30 IN.



No. 3.	MARSHALL'S, Set and Sharpened	.	.	.	.	.	.	.	.	.	\$4.75
" 6.	DISSTON & SONS' C. S., Set and Sharpened	.	.	.	.	.	.	.	.	.	6.50
" 9.	" " S. S., Set and Sharpened	.	.	.	.	.	.	.	.	.	7.00
" 11.	" " Ex. [for Wood-sawyers], Set and Sharpened	.	.	.	.	.	.	.	.	.	9.00



No. 77.	DISSTONS' IMPROVED WOOD SAW BLADES, Set and Sharpened—the fastest-cutting Wood Saw in the market	\$7.00
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PEG TOOTH WOOD SAW BLADES, SET AND SHARPENED.

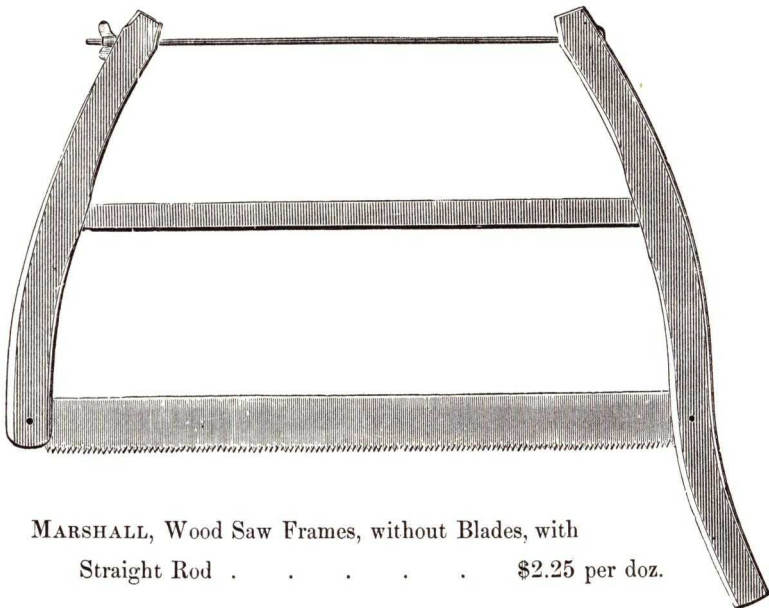


No. 3.	Peg Tooth Blades	\$5.25
" 6.	" "	6.75
" 9.	" "	7.50
" 11.	" "	.	.	.	.	.	.	.	.	.	.	9.50

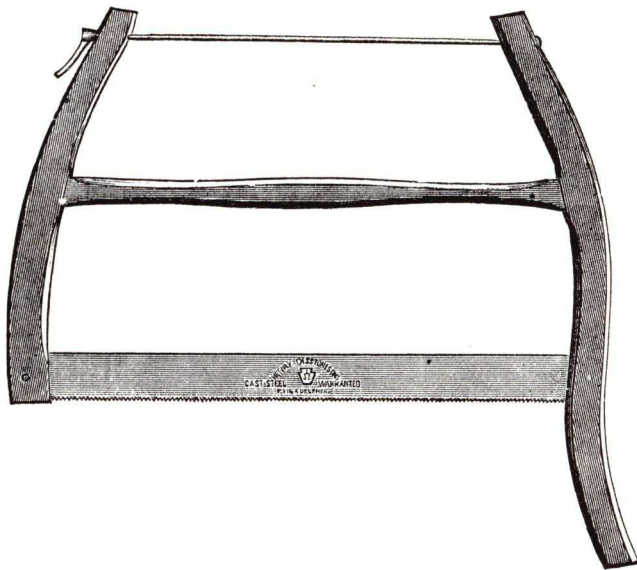
32-inch Blades, 50 cents per doz. extra.

WOOD SAW FRAMES.

N.B.—The following quotations are for Frames complete, without Blades.



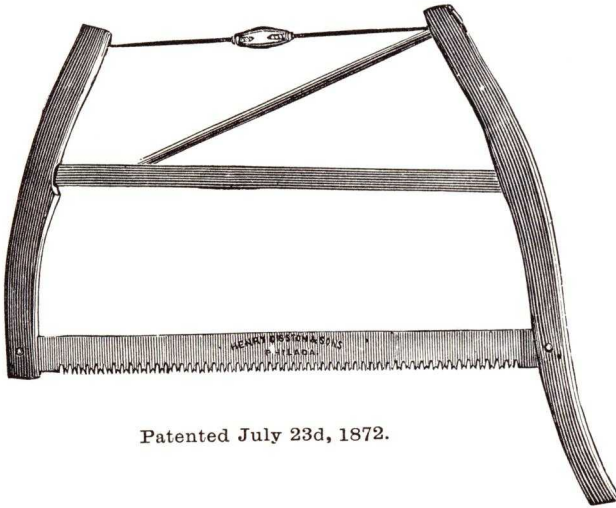
MARSHALL, Wood Saw Frames, without Blades, with
Straight Rod \$2.25 per doz.



DISSTONS' Wood Saw Frames, without Blades, with Straight Rod . . . \$2.75 per doz.

BRACE FRAME.

No. 70.



Patented July 23d, 1872.

DISSTON'S' Wood Saw Frames, without Blades, with Straight Rod . Per doz. \$3.75

CLIMAX FRAME.

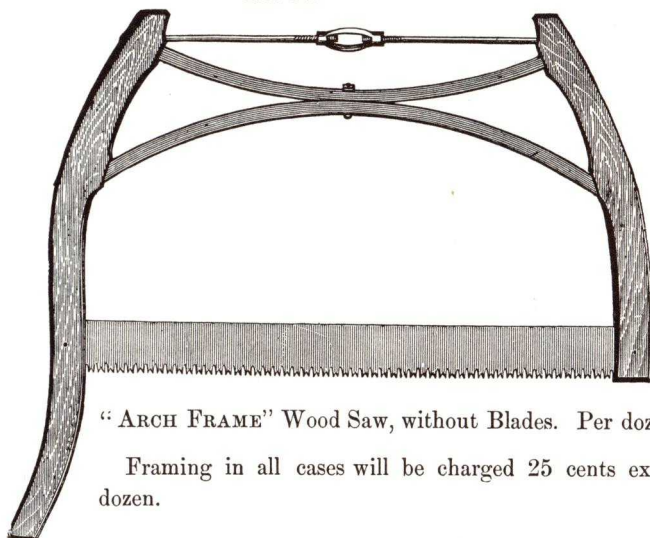
No. 77.



CLIMAX Wood Saw Frames, without Blades, Patented, with Swivel Rod. Per doz. \$4.50

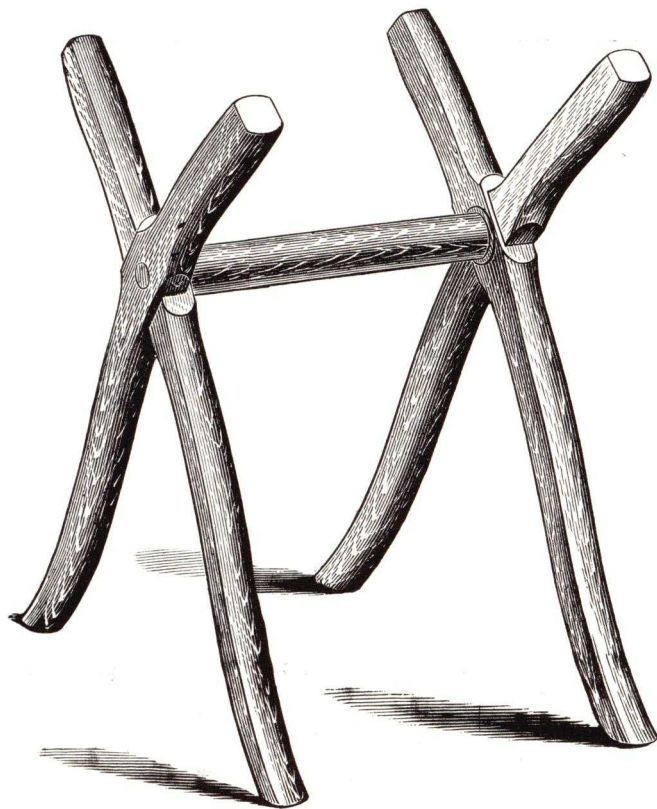
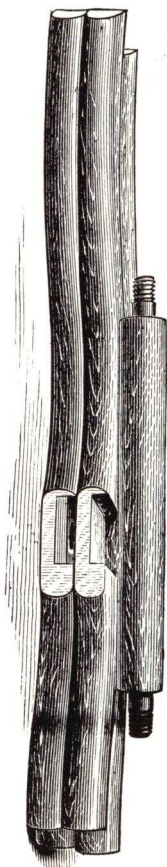
BRACE FRAME.

No. 80.



"ARCH FRAME" Wood Saw, without Blades. Per doz. \$5.00

Framing in all cases will be charged 25 cents extra per dozen.



Per doz. \$4.25

STRAIGHT RODS THUMB NUT.



Inch	20	21	22	23	24
Per gross	\$8.00	\$8.15	\$8.30	\$8.45	\$8.60

DISSTONS' IMPROVED STRAIGHT ROD LEVER NUT.



Inch	20	21	22	23	24
Per gross	\$8.25	\$8.50	\$8.75	\$9.00	\$9.25

STRAIGHT SWIVEL ROD.



Inch	20	21	22	23	24
Per gross	\$10.00	\$10.15	\$10.30	\$10.45	\$10.60

PLAIN LOOP ROD.



Inch	20	21	22	23	24
Per gross	\$9.00	\$9.10	\$9.20	\$9.30	\$9.40

IMPROVED DOUBLE THREAD LOOP ROD.



Inch	.	.	.	.	.	20	21	22	23	24
Per gross	.	.	.	.	.	\$10.00	\$10.15	\$10.30	\$10.45	\$10.60

SWIVEL LOOP ROD.



Inch	.	.	.	.	.	20	21	22	23	24
Per gross	.	.	.	.	.	\$10.00	\$10.15	\$10.30	\$10.45	\$10.60




Special Rods made to order.

WOOD SAW FRAMES.

No. 3. Marshall	.	.	.	.	.	.	.	.	.	\$18.00
" 6. Disston Improved	.	.	.	.	.	.	.	.	.	25.00

Boxed for shipment.




WIDTHS AND GAUGES FOR REGULAR STOCK TURNING OR CHAIR WEBS.

		Per Doz.	Widths.
10 in.	22 Gauge	\$1.55	$\frac{3}{16}$ to $\frac{1}{4}$ in.
12 "	21 "	1.70	$\frac{3}{16}$ " $\frac{5}{16}$ "
14 "	21 "	1.80	$\frac{3}{16}$ " $\frac{5}{16}$ "
16 "	20 "	1.95	$\frac{1}{4}$ " $\frac{3}{8}$ "
18 "	20 "	2.45	$\frac{1}{4}$ " $\frac{1}{2}$ "
20 "	20 "	2.60	$\frac{1}{4}$ " $\frac{5}{8}$ "
22 "	20 "	2.75	$\frac{1}{4}$ " $\frac{5}{8}$ "
24 "	19 "	2.95	$\frac{1}{4}$ " $\frac{3}{4}$ "
26 "	19 "	3.35	$\frac{1}{4}$ " $\frac{3}{4}$ "
28 "	19 "	3.60	$\frac{1}{4}$ " $\frac{7}{8}$ "
30 "	19 "	3.90	$\frac{1}{4}$ " 1 "
32 "	18 "	4.65	$\frac{1}{4}$ " 1 "
34 "	18 "	4.90	$\frac{3}{8}$ " 1 "
36 "	18 "	5.20	$\frac{3}{8}$ " 1 "

When two gauges heavier than above list, Felloe Web prices will be charged.
Extra widths in proportion.

FELLOE WEBS.

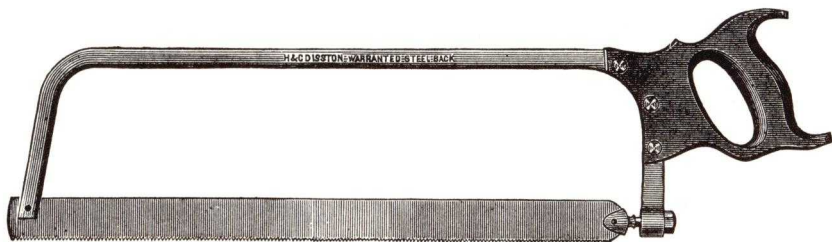
		Per Doz.	Widths.
10 in.	18 Gauge	\$2.00	$\frac{3}{16}$ to $\frac{1}{4}$ in.
12 "	18 "	2.25	$\frac{1}{4}$ " $\frac{3}{8}$ "
14 "	17 "	2.45	$\frac{1}{4}$ " $\frac{3}{8}$ "
16 "	17 "	2.65	$\frac{1}{4}$ " $\frac{1}{2}$ "
18 "	17 "	3.25	$\frac{1}{4}$ " $\frac{1}{2}$ "
20 "	17 "	3.45	$\frac{1}{4}$ " $\frac{5}{8}$ "
22 "	17 "	3.65	$\frac{1}{4}$ " $\frac{5}{8}$ "
24 "	17 "	4.00	$\frac{1}{4}$ " $\frac{3}{4}$ "
26 "	17 "	4.55	$\frac{1}{4}$ " $\frac{3}{4}$ "
28 "	17 "	4.85	$\frac{1}{4}$ " $\frac{7}{8}$ "
30 "	16 "	5.25	$\frac{1}{4}$ " 1 "
32 "	16 "	5.80	$\frac{1}{4}$ " 1 "
34 "	16 "	6.00	$\frac{1}{4}$ " 1 "
36 "	16 "	6.35	$\frac{1}{4}$ " 1 "

5 per cent. extra for each additional gauge to 14 g. Above 14 g. special prices.
Extra widths in proportion.

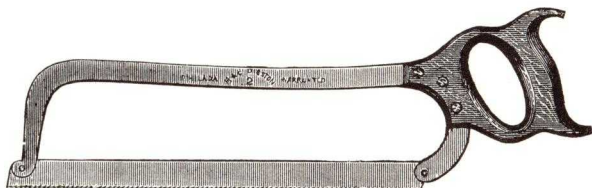
N.B.—All Web Saws $\frac{1}{8}$ in. and narrower will be made with wide ends, in order to give strength at the hole. Price, 30 per cent. advance.

H. & C. DISSTON'S

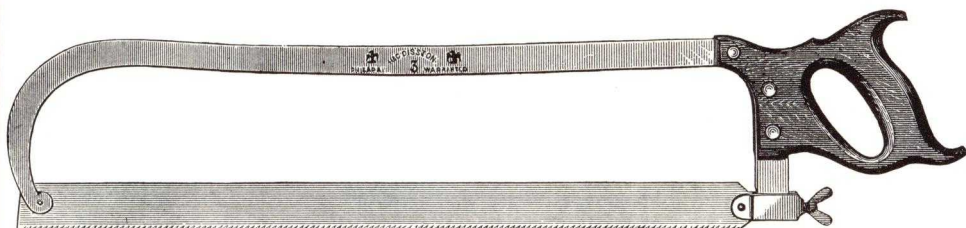
BUTCHERS' BOW BACK SAWS.



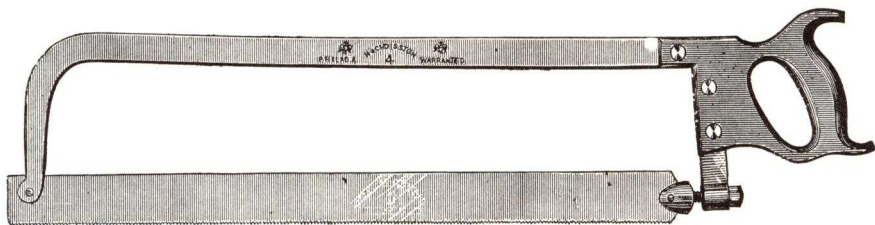
	12 in.	14 in.	16 in.	18 in.	20 in.	22 in.	24 in.
No. 1, Oval Back.	\$14.50	\$15.25	\$16.00	\$17.00	\$18.00	\$19.00	\$20.00 per doz.



	12 in.	14 in.	16 in.	18 in.	20 in.	22 in.	24 in.
No. 2. Flat Back.	\$11.25	\$11.75	\$12.50	\$13.25	\$14.00	\$14.75	\$15.50 per doz.



	16 in.	18 in.	20 in.	22 in.	24 in.
No. 3. Flat Back.	\$20.00	\$21.00	\$22.00	\$23.00	24.00 per doz.



	16 in.	18 in.	20 in.	22 in.	24 in.
No. 4. Flat Back.	\$20.00	\$21.00	\$22.00	\$23.00	\$24.00 per doz.



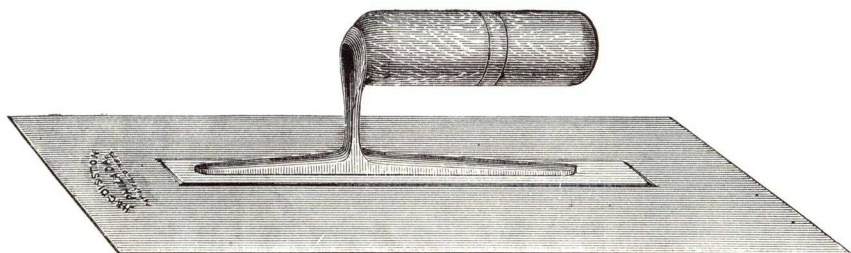
No. 5. Kitchen Saws	\$5.75 per doz.
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No. 2. California Oval Steel Back.

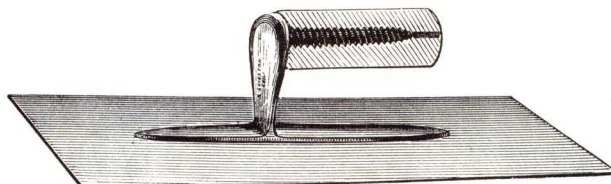
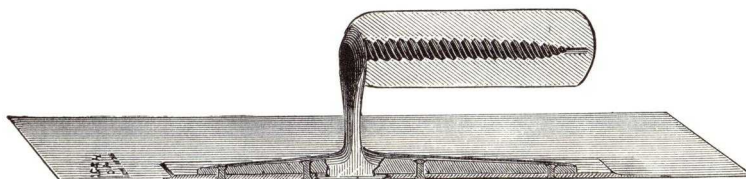
BUTCHERS' SAW HANDLES.										Per Doz.
Butchers' Saw Handles, Nos. 1 and 2	\$1.75
“ “ “ “ 3 “ 4	.	.	.	.	.	.	.	.	.	2.00
California “ “ No. 1	.	.	.	.	.	.	.	.	.	2.25
“ “ “ “ 2	.	.	.	.	.	.	.	.	.	2.00
Cincinnati “ “	.	.	.	.	.	.	.	.	.	1.50
Western “ “	.	.	.	.	.	.	.	.	.	1.80

PLASTERING TROWELS.



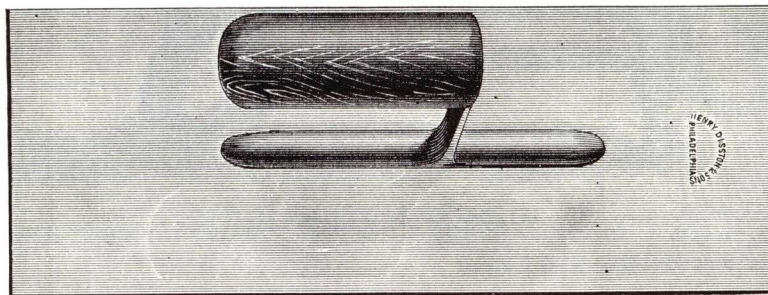
	10 & 10½ in.	11 in.	11½ in.	12 in.
Price No. 0	\$15.25	\$16.75	\$18.20	\$20.00

SECTIONAL VIEW OF No. 0 PLASTERING TROWEL.



	10 & 10½ in.	11 in.	11½ in.	12 in.
H. & C. DISSTON Ex. No. 1	\$13.75	\$15.25	\$16.75	\$18.50

The Handles of the No. 0 and No. 1 Plastering Trowels are attached by means of a screw, as shown in the cuts above: a method which we deem to be much superior to the old style of riveting. In case of accident or breakage, a new handle can be substituted by any mechanic.



	10 & 10½ in.	11 in.	11½ in.	12 in.
H. & C. DISSTON C. S. No. 2	\$12.25	\$13.50	\$14.50	\$15.75
MARSHALL'S " 3	7.75	8.50	9.25	10.00

BUTCHERS' SAW BLADES.

	12 in.	14 in.	16 in.	18 in.	20 in.	22 in.	24 in.
Blades to 1½ inch wide inclusive,	\$5.25	\$5.45	\$5.65	\$5.85	\$6.05	\$6.25	\$6.50
		16 in.	18 in.	20 in.	22 in.	24 in.	
Blades from 1½ to 2 inches wide inclusive,	\$6.30	\$6.60	\$6.90	\$7.20	\$7.50		
Clock Spring Blued Blades					22 in.	24 in.	
					\$7.20	\$7.50	



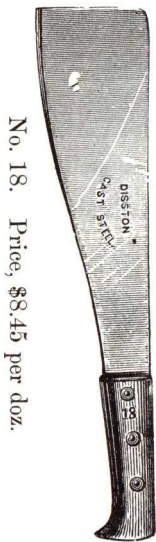
Cast-Steel Saw Knives							\$5.25
	8 in.	9 in.	10 in.	11 in.	12 in.	14 in.	16 in.
Hack Saw Blades	\$3.40	\$3.80	\$4.20	\$4.60	\$5.25	\$5.75	\$6.75



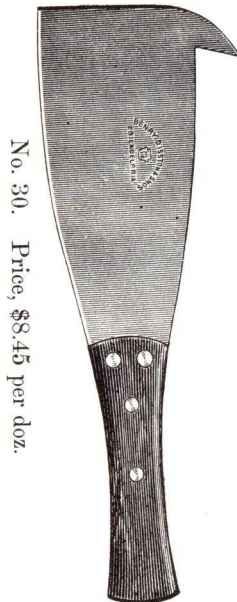
Pointing Trowels					5 in.	5½ in.	6 in.
					\$5.25	\$5.25	\$5.25

H. & T. DISSTON.

WARRANTED CAST-STEEL CANE KNIVES.



No. 18. Price, \$8.45 per doz.



No. 30. Price, \$8.45 per doz.



No. 35. Price, \$8.45 per doz.



No. 1. Price, \$7.80 per doz.

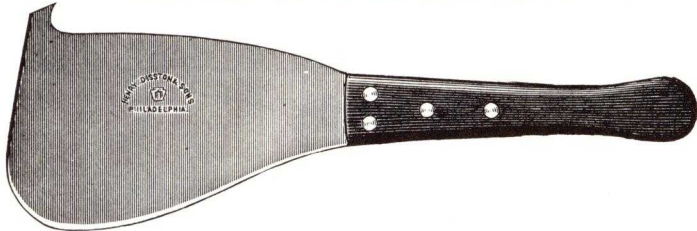


No. 11 Price, \$8.45 per doz.
No. 11, with extended handle, 40 cts. per doz. extra.

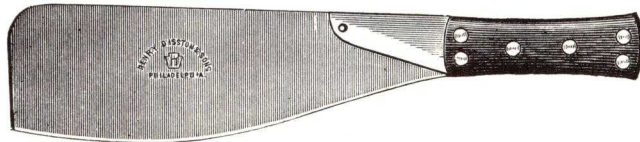


No. 13. Price, \$8.80 per doz.

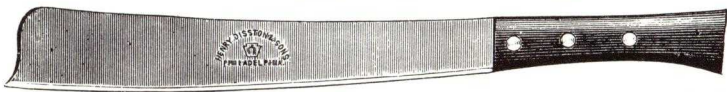
WARRANTED CAST-STEEL CANE KNIVES.



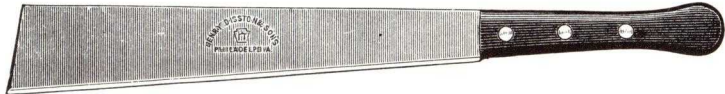
No. 12. Price \$9.00 per doz.
Special Cane Knives, any style and shape, made to order.



DISSTONS' CELEBRATED CORN KNIVES.

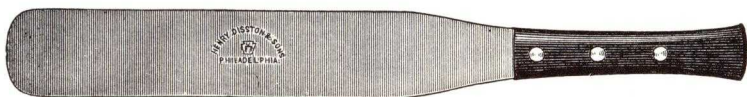


Price \$5.75 per doz.



Price \$5.00 per doz.

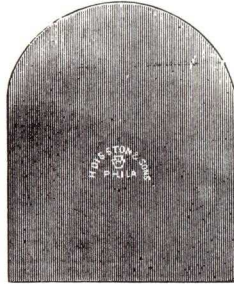
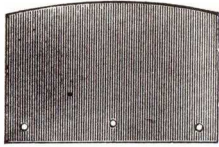
PALETTE KNIVES,
Made to order.



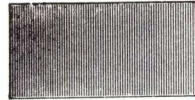
CABINET SCRAPERS,

Assorted sizes, \$1.30 per doz.

SLATE KNIFE.



SCRAPER.



CURRIER OR SLICKER BLADES,

Of superior quality.



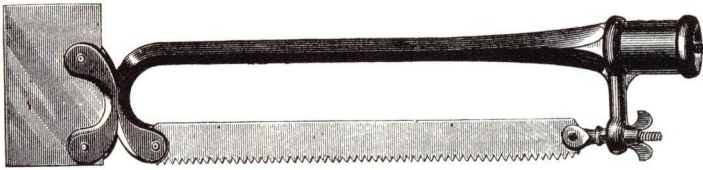
IMPROVED REVERSIBLE HACK SAW.



	8 in.	10 in.	12 in.
Price	\$15.00	\$16.00	\$17.00 per doz.

DISSTONS' IMPROVED PRUNING SAW AND KNIFE.

Patented August 29th, 1873.



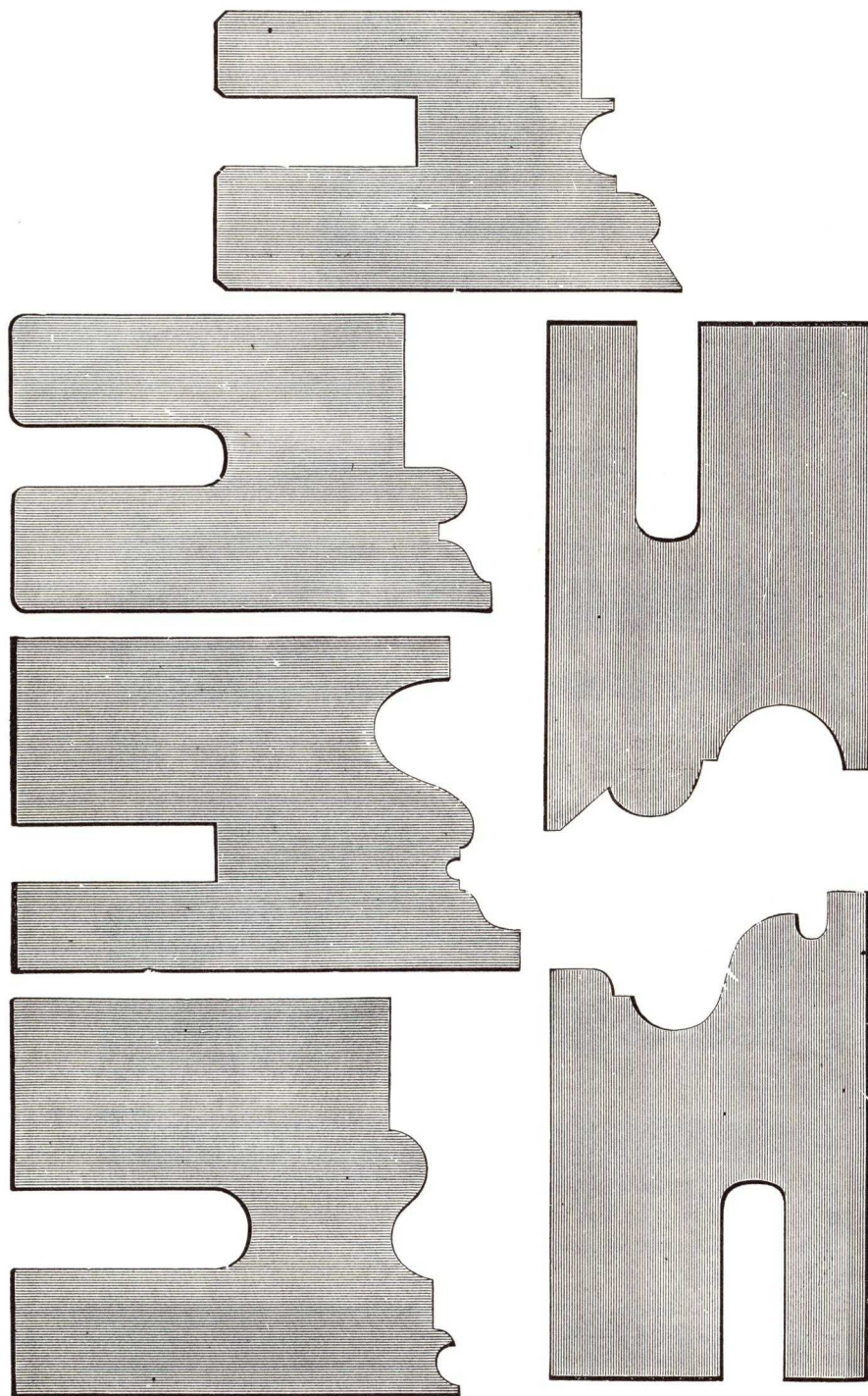
Japanned Frame	\$11.50 per doz.
Tinned "	14.00 "

This Saw is designed to be attached to a pole; and thus the upper branches of trees can be readily pruned without the aid of a ladder, the Knife or Saw being brought into requisition as may be required.

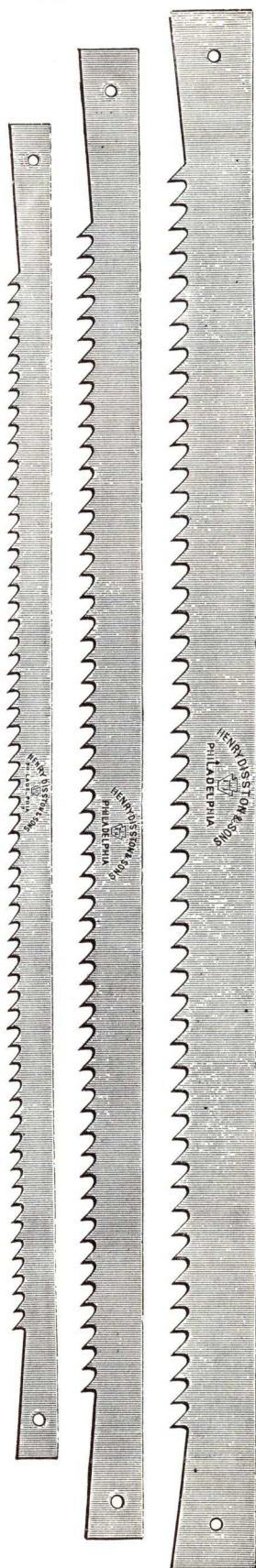
When desirable, the pole can be readily detached; the socket on the frame forming an excellent handle.

The peculiar formation of the Tooth enables the Saw to cut both ways, causing an equal strain on the bough or limb of the tree; insures smooth and rapid execution, and thus prevents the Saw from becoming jammed in cutting green wood.

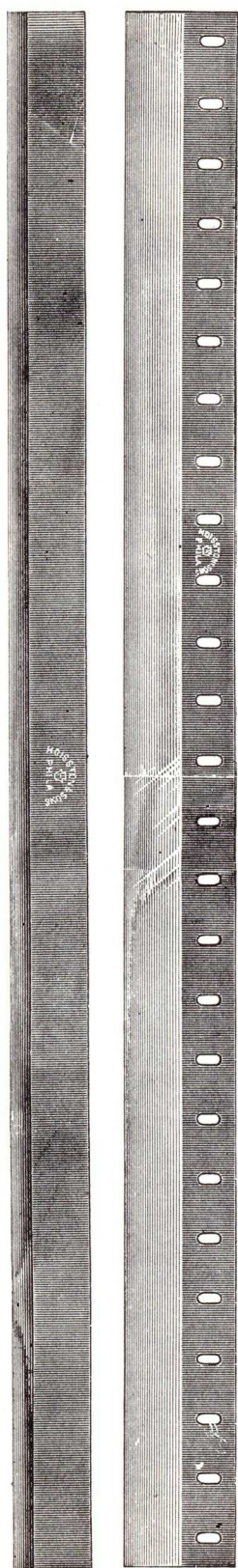
WARRANTED EXTRA QUALITY CAST-STEEL MOULDING BITS,
Any pattern, made to order.



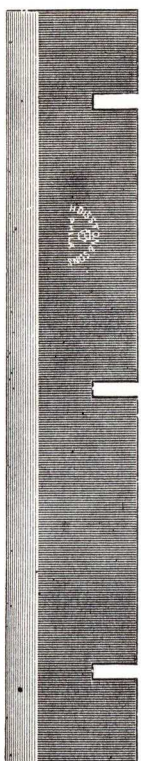
HENRY DISSTON & SONS' WARRANTED CAST-STEEL FUTTOCK SAWS,
MADE TO ORDER.



LEHMAN'S IMPROVED PLANING KNIVES,
MADE TO ORDER.

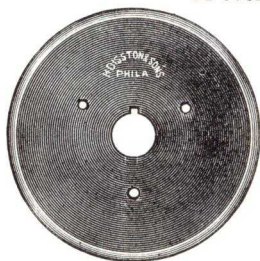


OLD STYLE PLANING KNIFE.



CIRCULAR AND STRAIGHT CORK AND PAPER CUTTING KNIVES,

Of every description, made to order, and warranted.



Hay Knife.



Straight Edge.



Moon Knife, for Curriers.



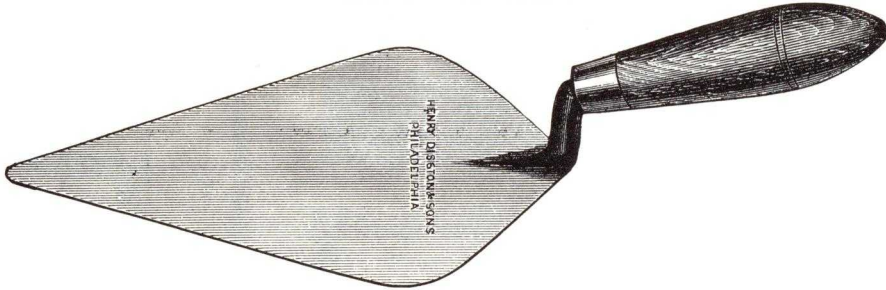
Corliss Springs

made to order.

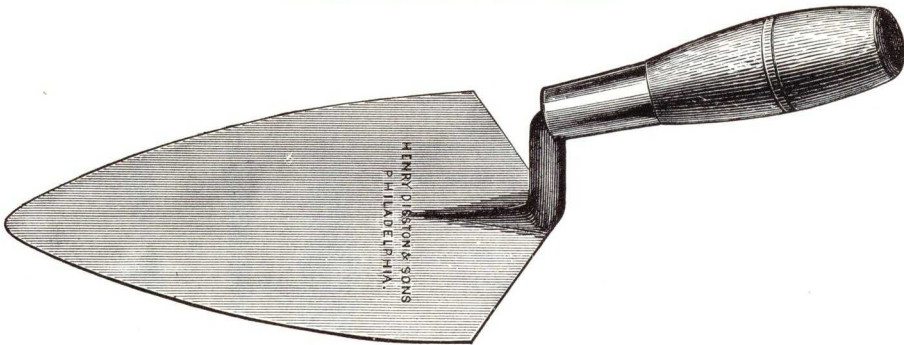


BRICK TROWELS.

We desire to call the attention of the trade to the superior quality of Brick and other Trowels of our manufacture. We are now making a specialty of this branch of business, and with confidence guarantee them to be the best Trowels in the market.

LONDON PATTERN.

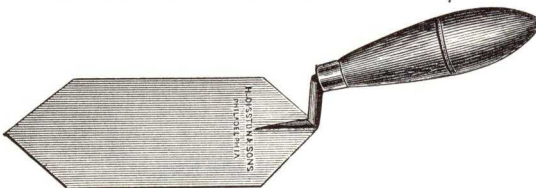
9 in. 9½ in. 10 in. 10½ in. 11 in. 11½ in. 12 in. 12½ in. 13 in. 13½ in. 14 in.
 \$11.25 \$11.75 \$12.50 \$13.00 \$13.50 \$14.00 \$14.75 \$15.25 \$15.75 \$16.50 \$17.00 per doz.

PHILADELPHIA PATTERN.

7½ in. 8 in. 8½ in. 9 in. 9½ in. 10 in. 10½ in. 11 in. 11½ in. 12 in. 12½ in.
 \$13.00 \$13.50 \$14.00 \$14.50 \$15.00 \$15.50 \$16.00 \$16.50 \$17.00 \$17.50 \$18.00 per doz.

BRICK POINTING, ORDINARY PATTERN.

4 and 4½ in., per doz. \$6.00. 5, 5½, and 6 in., per doz., \$6.50.

BRICKLAYER'S POINTING TROWEL.

Per doz. \$6.50.

HENRY DISSTON & SONS' WARRANTED CAST-STEEL MOULDERS' TOOLS.

A PRACTICAL MOULDER superintends the manufacture of these goods, which are made from the best quality CAST-STEEL, PERFECTLY TEMPERED and WARRANTED.

SQUARE TROWELS.

Sizes— 1×4 , $1\frac{1}{4} \times 5$, $1\frac{1}{2} \times 5\frac{1}{2}$, $1\frac{3}{4} \times 6$ in., assorted . . . \$7.00 per doz.

HEART TROWELS.

Sizes— 2×3 , $2\frac{1}{2} \times 3\frac{1}{2}$, $3 \times 4\frac{1}{2}$ in., assorted . . . \$7.00 per doz.

LONG HEART TROWELS.

Sizes—4 and 5 in. long, assorted . . . \$7.00 per doz.

HEART AND SQUARE.

Sizes— $1\frac{1}{2}$ and 2 in. wide, assorted . . . \$7.00 per doz.

HUB LIFTERS.

Sizes— 1×16 , $\frac{3}{4} \times 14$, $\frac{1}{2} \times 12$ in., assorted . . . \$7.00 per doz.

LIFTERS.

Sizes— $\frac{1}{2} \times 10$, $\frac{1}{4} \times 12$, $\frac{3}{8} \times 13$ in., assorted . . . \$5.50 per doz.

LIFTERS.

Sizes— $\frac{1}{2} \times 14$, $\frac{5}{8} \times 15$, $\frac{3}{4} \times 16$, $\frac{7}{8} \times 17$, 1×18 in., assorted . . . \$7.00 per doz.

YANKEE SLICKERS.

Sizes— $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$ in., assorted . . . \$5.50 per doz.

STOVE SLICKERS.

Sizes— $\frac{1}{2}$ and $\frac{3}{4}$ in. wide, assorted . . . \$5.50 per doz.

FLUKE SLICKERS.

Spoon and Bead, assorted . . . \$7.00 per doz.

CORNER SLICKERS.

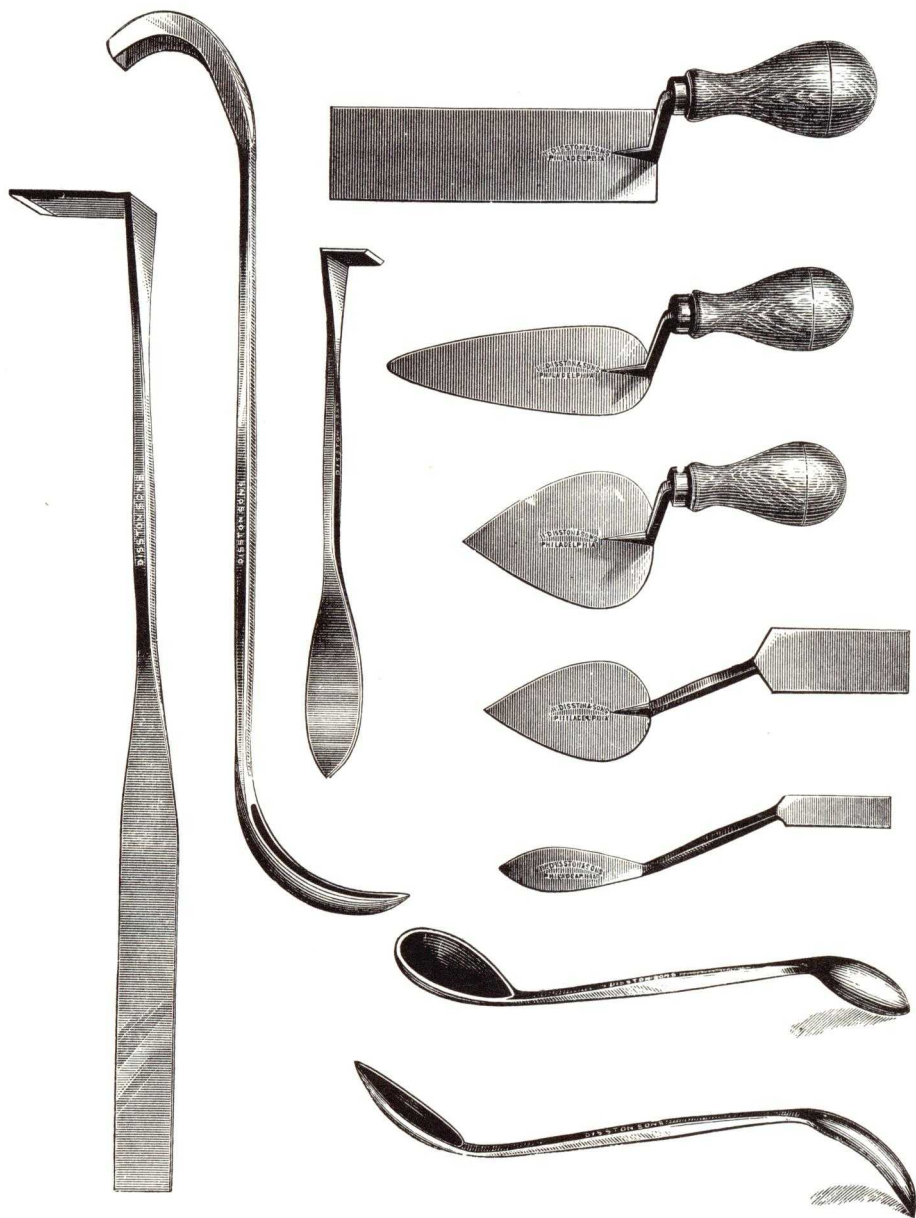
Sizes— $1\frac{1}{2}$ and 2 in., round, $1\frac{1}{2}$ and 2 in., square, 3 and 4 in., pipe,
assorted . . . \$5.50 per doz.

FLANGE LIFTERS.

Sizes— $\frac{1}{2} \times 12$, $\frac{5}{8} \times 16$ in., assorted . . . \$12.00 per doz.

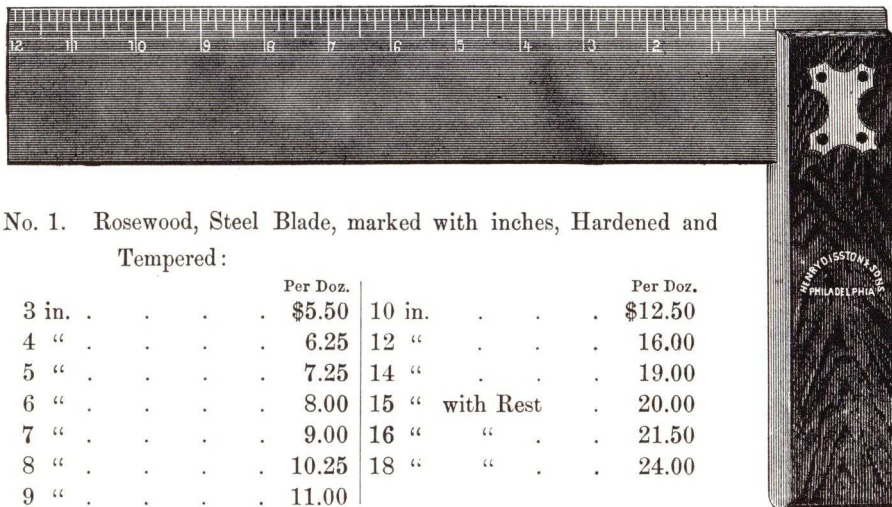
FLANGE SLICKERS.

Sizes— $\frac{1}{2} \times 10$, $\frac{3}{4} \times 15$ in., assorted . . . \$12.00 per doz.



DISSTON & MORSS.

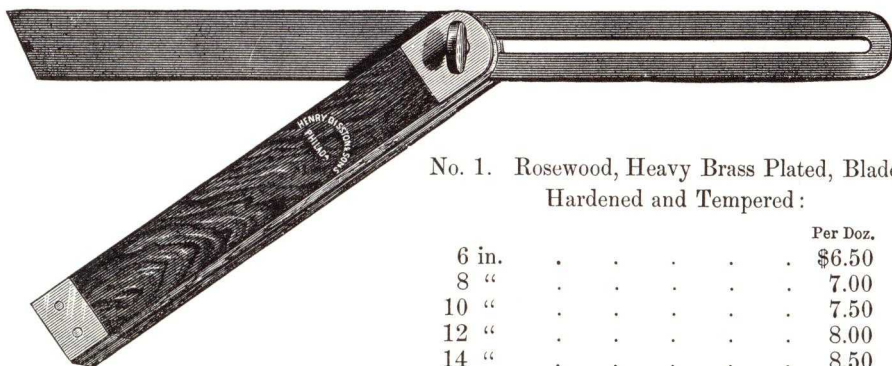
TRY SQUARES.



No. 1. Rosewood, Steel Blade, marked with inches, Hardened and Tempered:

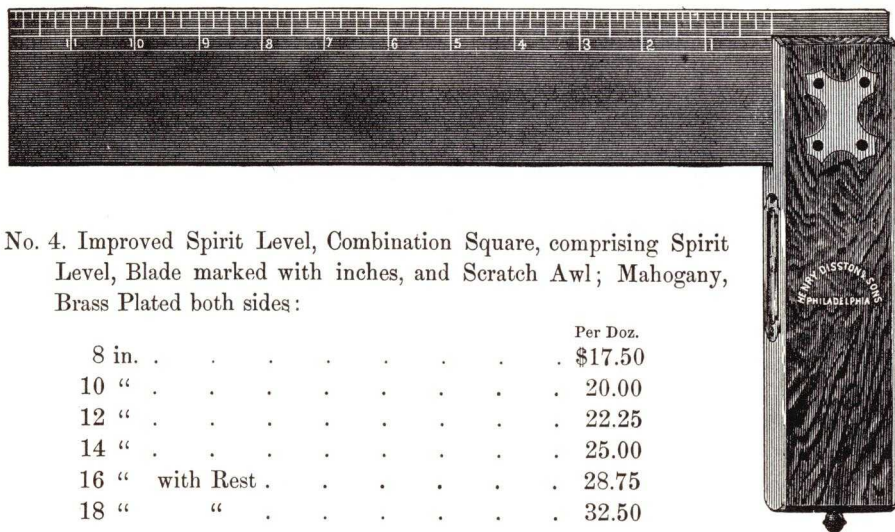
	Per Doz.		Per Doz.
3 in.	\$5.50	10 in.	\$12.50
4 "	6.25	12 "	16.00
5 "	7.25	14 "	19.00
6 "	8.00	15 " with Rest	20.00
7 "	9.00	16 " "	21.50
8 "	10.25	18 " "	24.00
9 "	11.00		

BEVELS.



No. 1. Rosewood, Heavy Brass Plated, Blade Hardened and Tempered:

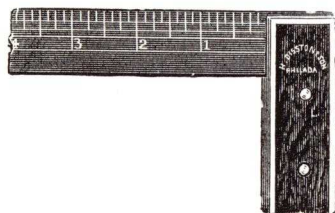
	Per Doz.
6 in.	\$6.50
8 "	7.00
10 "	7.50
12 "	8.00
14 "	8.50



No. 4. Improved Spirit Level, Combination Square, comprising Spirit Level, Blade marked with inches, and Scratch Awl; Mahogany, Brass Plated both sides:

	Per Doz.
8 in.	\$17.50
10 "	20.00
12 "	22.25
14 "	25.00
16 " with Rest	28.75
18 " "	32.50

IMPROVED TRY SQUARES.



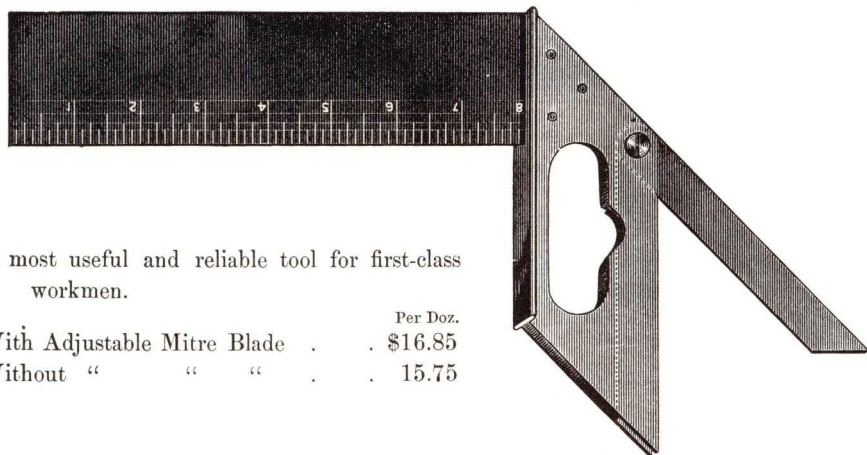
No. 1. Iron Frame, with Steel Blade, securely riveted, Blade marked with inches, Frame with Rosewood Sides:

	Per Doz.		Per Doz.
3 in.	\$9.00	9 in.	\$18.00
4 "	10.50	10 "	21.00
6 "	12.00	12 "	28.00
8 "	16.00		

No. 2. Half Iron Frame, with Steel Blade, securely riveted, Blade Hardened and Tempered, with Rosewood Stock:

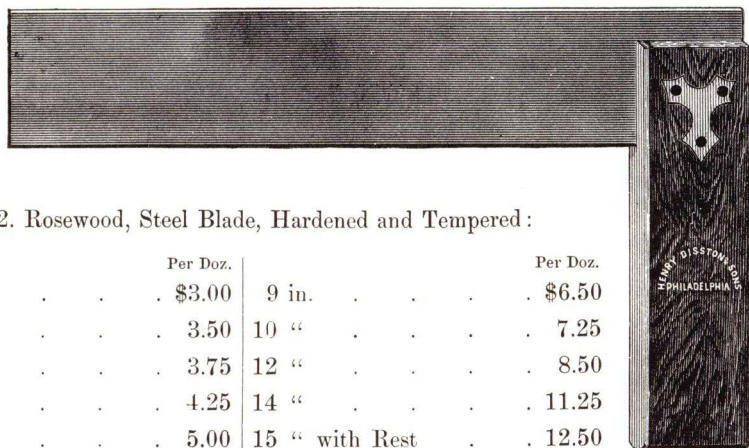
	Per Doz.		Per Doz.
3 in.	\$4.50	7½ in.	\$7.00
4 "	5.25	8 "	7.25
4½ "	5.50	9 "	8.00
5 "	5.75	10 "	10.00
6 "	6.00	12 "	12.00
7 "	6.75		

IMPROVED IRON FRAME MITRE AND SQUARE.



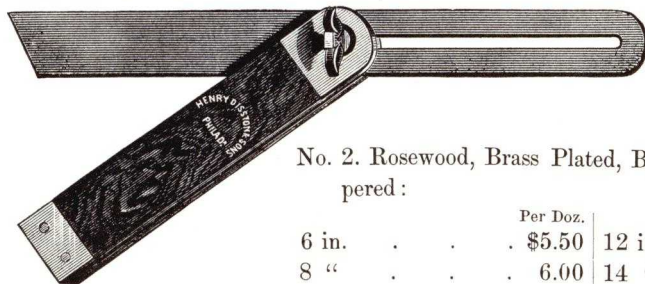
A most useful and reliable tool for first-class workmen.

	Per Doz.
With Adjustable Mitre Blade . . .	\$16.85
Without " " " . . .	15.75



No. 2. Rosewood, Steel Blade, Hardened and Tempered :

	Per Doz.		Per Doz.
3 in.	\$3.00	9 in.	\$6.50
4 "	3.50	10 "	7.25
4½ "	3.75	12 "	8.50
5 "	4.25	14 "	11.25
6 "	5.00	15 " with Rest . . .	12.50
7 "	5.50	16 " "	13.50
7½ "	5.75	18 " "	15.50
8 "	6.00		



No. 2. Rosewood, Brass Plated, Blade Hardened and Tempered :

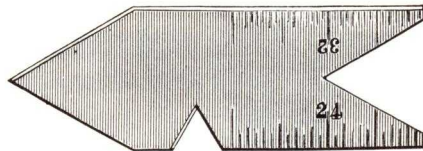
	Per Doz.		Per Doz.
6 in.	\$5.50	12 in.	\$7.00
8 "	6.00	14 "	7.50
10 "	6.50		

HARDENED CAST-STEEL TRY SQUARES FOR MACHINISTS.

	Each.
2 in.	\$3.00
4 "	4.00
6 "	6.00
9 "	9.00
12 "	12.00
15 "	15.00
18 "	20.00
24 "	30.00
30 "	40.00
36 "	50.00

STEEL TRY SQUARES GRADUATED TO ONE-THIRTY-SECOND OF AN INCH.

	Each.
2 in.	\$2.00
3 "	2.50
4 "	3.00
6 "	3.50
9 "	4.00
12 "	6.00



Price 50 cents each.

The above cut represents our Centre Gauge and Gauge for Grinding and Setting Screw Tools.

FERRULES.

SOLID CAST BRASS, POLISHED.

$\frac{1}{2}$ in.	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.	$\frac{7}{8}$ in.	1 in.
\$1.75	\$2.00	\$3.70	\$4.80	\$6.20 per gross.

Assorted to order. Put up in half gross boxes.

MACHINISTS' STANDARD STEEL RULES.

	Each.
1 in.	\$0.25
2 " . . . . .	.40
3 " . . . . .	.50
4 " . . . . .	.75
6 "	1.00
9 "	1.50
12 "	2.00
18 "	3.00
24 "	4.00
36 "	8.00
48 "	12.00

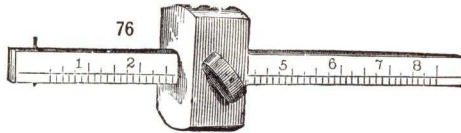
These Rules are divided into 8, 16, 32, and 64 parts of an inch.

HARDENED STEEL STRAIGHT EDGES.

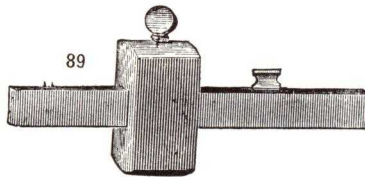
	Each.
3 in., $\frac{3}{4}$ in. wide, 14 gauge	\$0.50
6 " 1 " " 12 " . . . . .	.75
9 " $1\frac{1}{8}$ " " 12 "	1.12
12 " $1\frac{1}{4}$ " " 12 "	1.50
18 " $1\frac{1}{2}$ " " 10 "	2.25
24 " 2 " " 10 "	3.00
36 " $2\frac{3}{8}$ " " 10 "	6.00
48 " 3 " " 10 "	9.00

Steel Straight Edges for Draughtsmen made to order.

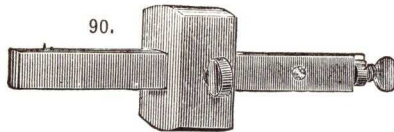
GAUGES.



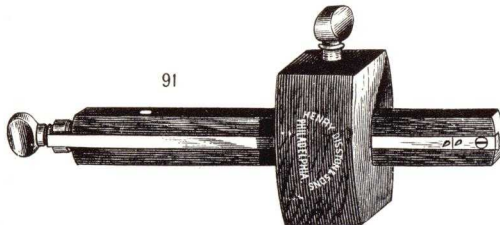
- No. 76. Beechwood, Oval Bar, marked with inches, Steel Point . . . \$1.14
 " 77. Beechwood, Head Plated, Oval Bar, marked with inches, Steel Point . . . 2.00
 " 79. Boxwood, Oval Bar, marked with inches, Steel Point . . . 3.66
 " 80. Boxwood, Head Plated, marked with inches, Steel Point . . . 4.35
 " 81. Beechwood, Cutting, marked with inches, Steel Cutter . . . 2.00
 " 82. Beechwood, Cutting, Head Plated, Oval Bar, Steel Cutter . . . 3.35
 " 84. Boxwood, Cutting, Head Plated, Oval Bar, Steel Cutter . . . 4.00



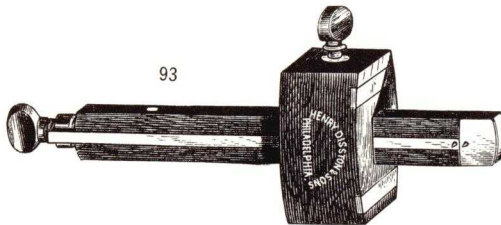
- No. 89. Mortise, Rosewood, Brass Slide . . . \$7.30



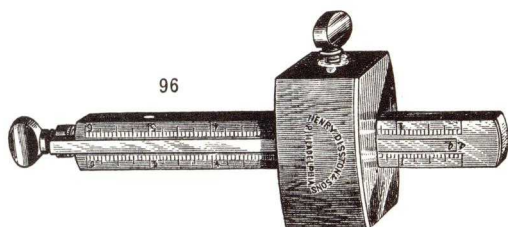
- No. 90. Mortise, Applewood, Screw Slide, Brass Thumb Screw . . . \$10.00



- No. 91. Mortise, Rosewood, Screw Slide, Brass Thumb Screw . . . \$11.00
 " 92. Mortise, Rosewood, Screw Slide, Head Plated, Thumb Screw . . . 13.35

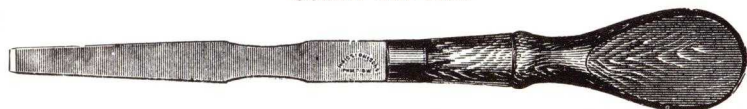


- No. 93. Mortise, Rosewood, Screw Slide, Head and Stem Plated, Thumb Screw. \$15.00



- No. 95. Mortise, Rosewood, Full Plated, Head and Stem, Screw Slide, with Thumb Screw, but not marked with inches \$20.00
- No. 96. Mortise, Boxwood, Full Plated, Head and Stem, Screw Slide, marked with inches 21.35

SCREW-DRIVERS.



Steel Blades, Forged, Polished Handles, Solid Ferrule.

	Per Doz.
2 in.	\$2.00
3 "	2.40
4 "	2.95
5 "	3.55
6 "	4.20
7 "	4.80
8 "	5.32
9 "	6.95
10 "	8.15
12 "	9.45
Small Screw-Drivers, for Sewing-Machine use, etc.	1.00

SCREW-DRIVER HANDLES.

Polished, Bored, and Slotted.

	Per Doz.
2 in.	\$1.05
3 "	1.10
4 "	1.15
5 "	1.20
6 "	1.25
8 "	1.35
10 "	1.55
12 "	1.75

Handles assorted to order.

REVOLVING SHIELD SCREW-DRIVERS.

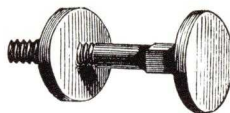
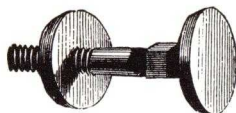
Patented Feb. 9th, 1869.



The Revolving Shield on the end of the Handle is a great protection to the hand. This Screw-Driver is especially adapted to work where only one hand can be used.

	Per Doz.
3 in.	\$3.50
4 "	4.60
5 "	5.20
6 "	6.50
7 "	7.00
8 "	8.00
9 "	9.00
10 "	10.00
12 "	12.00

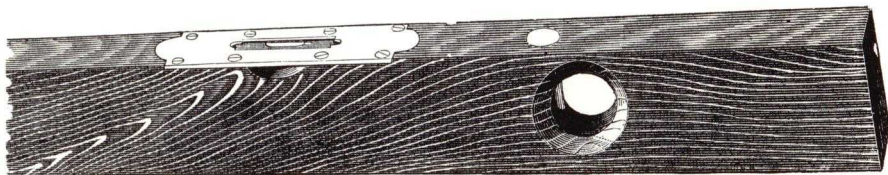
SAW SCREWS.



	Per Doz.
No. 1. Brass Flush	\$1.75
" 2. " "	2.25
" 3. Small Eagle	4.50
" 4. Large "	5.25
" 5. Brass Raised	5.00
" 6. Iron "	5.00

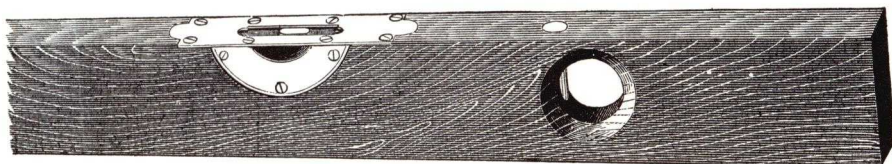
PLUMB AND LEVELS.

No. 102.



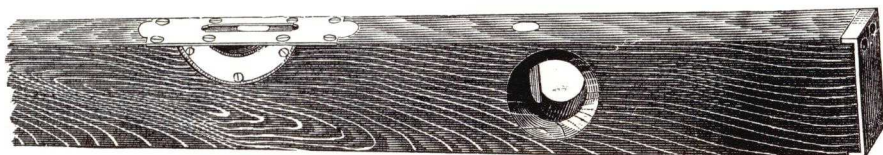
					Per Doz.
No. 100.	Levels, Side Views, Polished.	Assorted	.	12 to 18 in.	\$10.00
" 101.	" " " " " "	"	.	18 to 24 "	13.50
" 102.	Plumb and Level, Side Views, Polished.	Assorted	.	12 to 18 "	16.00

No. 104.



					Per Doz.
No. 103.	Plumb and Level, Side Views, Polished.	Assorted	.	26 to 30 in.	\$18.00
" 104.	Adjustable Plumb and Level, Brass Lipped, Side Views, Polished.	Assorted	.	26 to 30 "	27.00

No. 106.



					Doz.
No. 105.	Adjustable Plumb and Level, Side Views, Polished, Tipped.	Assorted	.	26 to 30 in.	\$30.00
" 106.	Adjustable Plumb and Level, Brass Lipped, Side Views, Polished and Tipped.	Assorted	.	26 to 30 "	39.00
" 107.	Mahogany Plumb and Level, Side Views, Polished.	Assorted	.	14 to 24 "	16.60
" 108.	Adjustable Mahogany Plumb and Level, Side Views, Polished.	Assorted	.	26 to 30 "	22.50

Per oz.

No. 109. Adjustable Mahogany Plumb and Level, Brass Lipped, Side Views, Polished. Assorted	26 to 30 in.	\$33.00
" 110. Adjustable Mahogany Plumb and Level, Brass Lipped, Side Views, Polished and Tipped. Assorted	26 to 30 "	48.00
" 111. Adjustable Triple Stock Plumb and Level, Brass Lipped, Side Views, Polished and Tipped. Assorted	26 to 30 "	48.00
" 112. Adjustable Triple Stock Mahogany Plumb and Level, Brass Lipped, Side Views, Polished and Tipped. Assorted	26 to 30 "	65.00
" 113. Masons' Plumb and Level	36 "	18.00

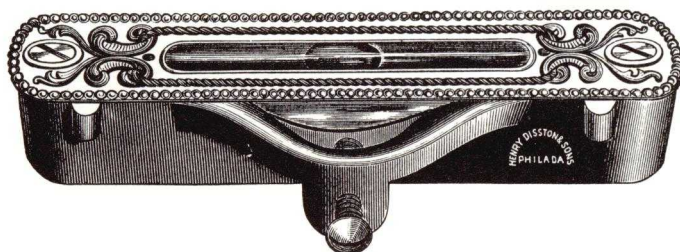
New Patent Adjustable Plumb and Level.



The advantages claimed for this Plumb and Level over the old style are these. The spirit glasses are inclosed in a metal box at perfect right angles, and the adjustment is accomplished by the use of one screw only. Thus the adjustment of the Level insures the correctness of the Plumb, an advantage which will be fully appreciated by any mechanic.

This improvement can be attached to any adjustable Plumb or Level on the list when desired.

POCKET LEVELS.



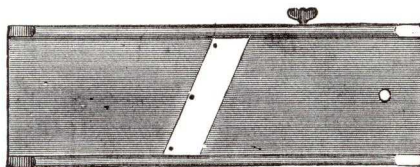
No. 1. Iron, Brass Tops	Per Doz.	\$3.00
" 2. " Japanned Tops		2.50

LEVEL GLASSES.

Level Glasses, packed in $\frac{1}{4}$ gross boxes, 1 in.	Per Gross.	\$7.75
" " " " $1\frac{1}{4}$ "		8.00
" " " " $1\frac{1}{2}$ "		8.50
" " " " $1\frac{3}{4}$ "		8.75
" " " " 2 "		9.25
" " " " $2\frac{1}{4}$ "		9.50
" " " " $2\frac{1}{2}$ "		10.00
" " " " 3 "		10.50
" " " " $3\frac{1}{2}$ "		11.00

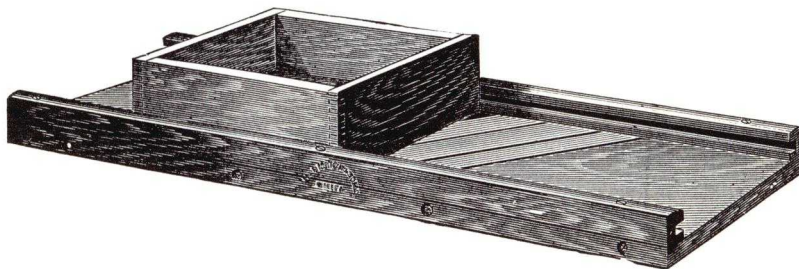
Level Glasses assorted to order.

SLAW CUTTERS.



	Per Doz.
1 Knife	\$4.75
2 Knives	9.25
3 "	10.25
Vegetable Cutter	3.25

CROUT CUTTERS.



		Per Doz.
1 Knife with Box,	24 x 7	\$17.50
2 Knives with Box,	24 x 7	18.75
3 " "	24 x 7	20.00
4 " "	24 x 7	21.25
3 " "	30 x 9	36.00
4 " "	30 x 9	42.00

Crout Cutters, 36 x 12, with extra heavy Blade, put together in sections, and dovetailed in guard :

	Each.
2 Knives	\$5.00
3 "	6.00
4 "	7.00
5 "	8.00
6 "	9.00

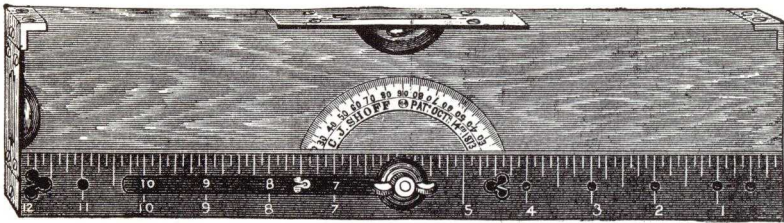
SHOFF & CO.'S COMBINATION TOOL,

Patented October 14th, 1873.

Manufactured by **DISSTON & MORSS.**

THE COMBINATION COMPRISES:

SQUARES, PROTRACTORS, RULES, BEVELS, PLUMBS, LEVEL, ETC.



No. 1.

We desire to call the attention of the working public to the above cut, representing the twelve-inch size of one of the most useful combined tools ever offered, simple in construction, will not get out of order, and is furnished at a price within the reach of all, and at a trifling advance above the cost of an ordinary Level. It will do more than we claim for it, and the intelligent workman will be convinced of its utility, and will apply it to new purposes daily.

It is indispensable to Architects, Bricklayers, Carpenters, Cabinet-Makers, Draughtsmen, Farmers, Frame-Makers, Joiners, Machinists, Masons, Millwrights, Pattern-Makers, Stair-Builders, Surveyors, Teachers, Wagon-Makers, Wheelwrights, etc. The Tools are made in sizes of 6, 12, 18, and 24 inches, of beech and mahogany, with and without tips.

	Per Doz.		Per Doz.
6 in. Mahogany, plain . . .	\$19.00	6 in. Beech, plain . . .	\$18.50
12 " " " . . .	23.00	12 " " " . . .	21.00
18 " " " . . .	29.00	18 " " " . . .	27.00
6 " " tipped . . .	20.00	6 " " tipped . . .	19.50
12 " " " . . .	24.00	12 " " " . . .	22.00
18 " " " . . .	30.00	18 " " " . . .	28.00

BARKER'S

DOUBLE REVERSED JOINT BUTT AND CONCEALED DOOR SPRING.

Patented August 27th, 1867.

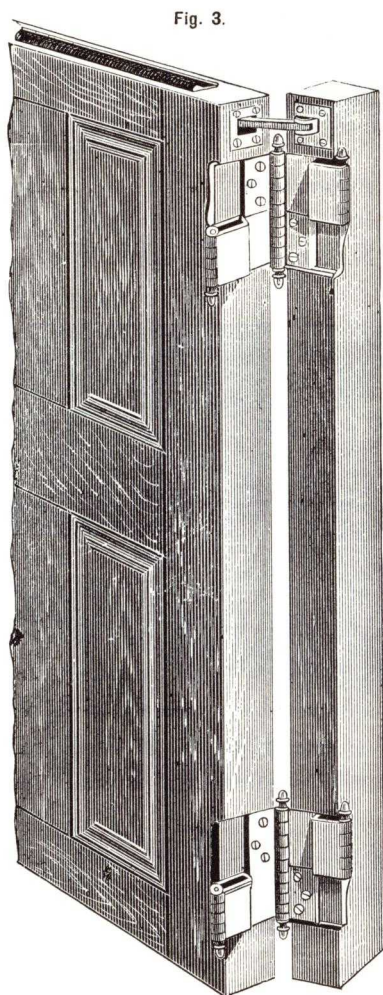


Fig. 3.

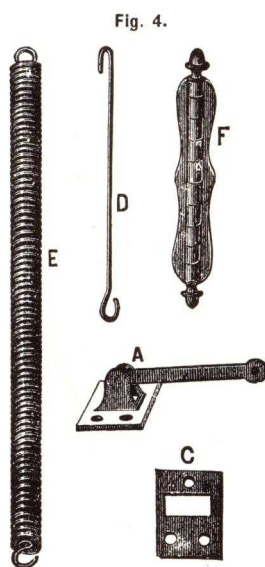


Fig. 4.

Fig. 3 is a view of a door hung with these Butts, working in case, with SPRING ATTACHED.

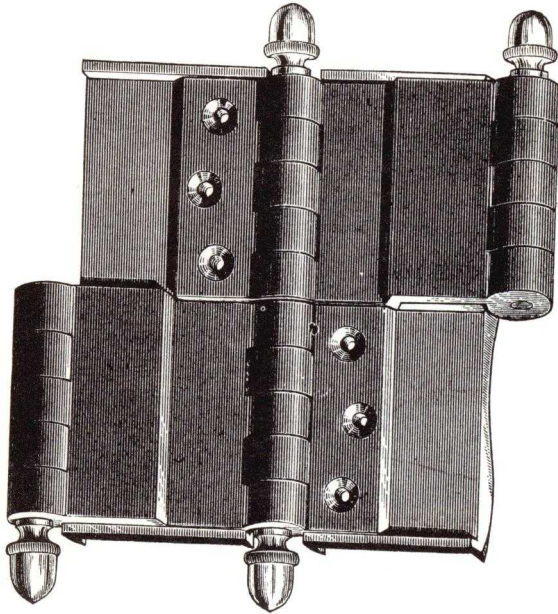
Fig. 4 shows the different parts in a DETACHED form. *A* shows the Bracket, with arm attached; *C*, Brass Plate on the edge of the door through which the arm works; *D*, Wire Hook that connects the Arm and Spring together; *E*, Spiral Spring; *F* shows the Knuckle of the Butt as it appears when the door is closed, and also the edge of the case.

For the doors of Churches, Schools, Hotels, Saloons, and other places where doors are required to swing both ways, this Butt has many improvements over all others—among which we would name the PLATES, which add greatly to the strength of the door and jamb, as well as being very ornamental; the neatness of the Butt and the simplicity of its construction making it so different in appearance from those uncouth-looking Hinges that are used for swinging a door both ways.

It is much less in price than any other Butt in the market. For swinging a door both ways, it is by far the most reliable *Reversible Butt* ever offered to the public.

Send for Circular with Directions.

BARKER'S
PATENT DOUBLE REVERSED JOINT BUTTS.
 For Doors to swing both ways, with Springs complete.



Japanned, with Plated Acorn Tips and Plates :

	Per Pair.		Per Pair.
No. 0, for 1 in. doors . . .	\$3.25	No. 5, for 2½ in. doors . . .	\$6.75
" 1, " 1¼ " . . .	3.50	" 6, " 2½ " . . .	12.00
" 2, " 1½ " . . .	3.75	" 7, " 2¾ " . . .	13.75
" 3, " 1¾ " . . .	4.50	" 8, " 3 " . . .	15.00
" 4, " 2 " . . .	5.25		

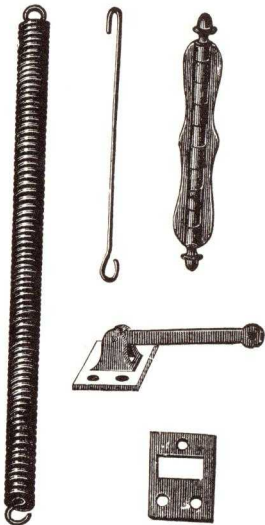
Brass Butts made to order.

BARKER'S

PATENT CONCEALED DOOR SPRINGS.

	Per Doz.
No. 1. Japanned, for ordinary doors . . .	\$5.00
" 2. " " " . . .	5.50
" 3. " heavy " . . .	6.00
" 4. " " " . . .	6.50
" 5. " extra heavy doors . . .	7.00

Send for Circulars.



HENRY DISSTON & SONS



PIT SAW FILE.

5 in., \$2.03; 6 in., \$2.66; 7 in., \$3.28; 8 in., \$4.22; 9 in., \$5.00; 10 in., \$6.25; 11 in., \$7.81.



ROUND BLUNT FILE.

6 in., \$3.05; 7 in., \$3.75; 8 in., \$4.23; 9 in., \$5.31; 10 in., \$6.25; 11 in., \$7.50; 12 in., \$8.44; 13 in., \$10.31.



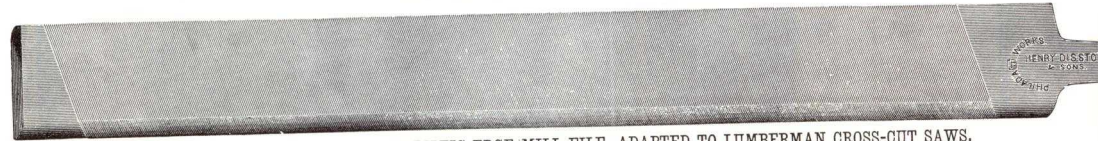
HALF ROUND, BLUNT FILE, SAFE BACK, FOR BEVELING CROSS-CUT TEETH.

8 in., \$2.67; 9 in., \$3.35.



ELLIPTIC EDGE MILL FILE, ADAPTED TO GREAT AMERICAN CROSS-CUT SAWS.

6 in., \$3.05; 7 in., \$3.75; 8 in., \$4.23; 9 in., \$5.31; 10 in., \$6.25; 11 in., \$7.50; 12 in., \$8.44; 13 in., \$10.31.



ELLIPTIC EDGE MILL FILE, ADAPTED TO LUMBERMAN CROSS-CUT SAWS.

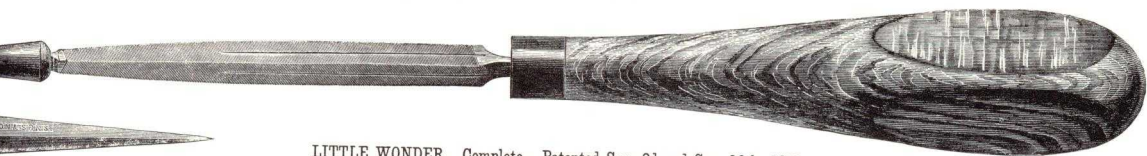
6 in., \$3.05; 7 in., \$3.75; 8 in., \$4.23; 9 in., \$5.31; 10 in., \$6.25; 11 in., \$7.50; 12 in., \$8.44; 13 in., \$10.31.



MILL FILE.

6 in., \$2.50; 7 in., \$3.05; 8 in., \$3.75; 9 in., \$4.23; 10 in., \$5.31; 11 in., \$6.25; 12 in., \$7.50; 13 in., \$8.44; 14 in., \$10.31.

WARRANTED SAW FILES.



LITTLE WONDER. Complete. Patented Sep. 2d and Sep. 16th, 1873.
 3½ in., \$2.02; 4 in., \$2.18; 4½ in., \$2.34; 5 in., \$2.51; 5½ in., \$2.85; 6 in., \$3.17; 6½ in., \$3.50; 7 in., \$3.83.



CORRUGATED TAPER FILE.
 3½ in., \$1.32; 4 in., \$1.48; 4½ in., \$1.64; 5 in., \$1.81; 5½ in., \$2.15; 6 in., \$2.47; 6½ in., \$2.80; 7 in., \$3.13.



"EXTRA TAPER FILES" advance one size on regular Tapers.



TAPER FILES.
 3½ in., \$1.25; 4 in., \$1.41; 4½ in., \$1.56; 5 in., \$1.72; 5½ in., \$2.04; 6 in., \$2.35; 6½ in., \$2.66; 7 in., \$2.98.



ROUND TAPER FILE.
 6 in., \$2.50; 7 in., \$3.05; 8 in., \$3.75; 9 in., \$4.23; 10 in., \$5.31; 11 in., \$6.25; 12 in., \$7.50; 13 in., \$8.44; 14 in., \$10.31.

SAW FILES.

The consumption of Files is looked upon by many mill-owners as a very insignificant matter. The File bills usually come in for small amounts; hence they are considered of no account. If they will take the trouble to look over their bills at the end of each year, they will be astonished at the sum thus spent.

A POOR FILE IS A MOST WORTHLESS ARTICLE;

yet it is astonishing how many such are manufactured; and why?—simply because inferior stock is used. Many *Saws* are made from worthless steel, but *some* Files are made from even worse material. We have known them to be made of iron and case-hardened. It is impossible for such a File to be of any service, even on a poor Saw. Then what chance would it stand on one of our best Saws?

A FILE IS ONE OF THE MOST EXPENSIVE TOOLS

Used by us for the manufacture of Saws,

and we know all about the disadvantages and loss resulting from the use of poor and worthless Files. We have at this time over one hundred hands daily employed in filing Saws, each hand consuming or wearing out from six to twelve Files per day. This enormous annual consumption being such an important item to us, the necessity of having a first-class File will be apparent. We were unable to purchase Files fully up to the standard, and so commenced the manufacture for our own use, not expecting to place them on the market for sale. Our patrons, learning of this, insisted on being supplied. The result is, the demand so far outstripped the supply that we have been compelled to largely increase our facilities.

We are now prepared to supply the trade with every description of

FILES FOR KEEPING SAWS IN PERFECT ORDER,

and we guarantee them to be superior for the purpose to those of any other manufacture. We have labored for years to make

THE BEST SAW IN THE WORLD,

and the world knows we have succeeded. We are doing the same with Files.

Our motto is,

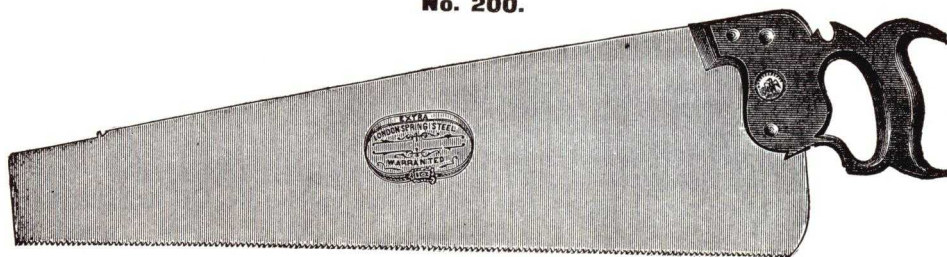
“Upward!” “Onward!” “Excelsior!”

HENRY DISSTON & SONS,

PHILADELPHIA.

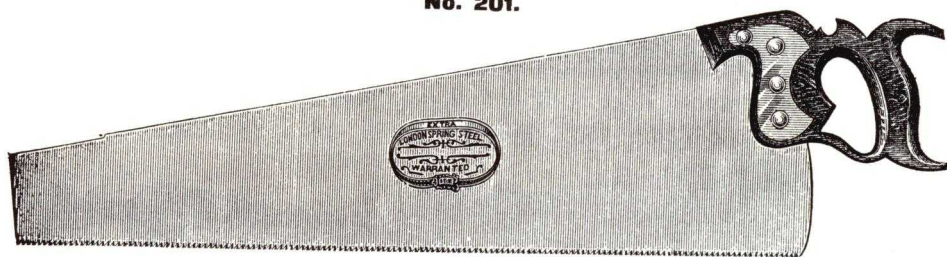
❖ SPECIAL SAWS ETCHED TO ORDER. ❖

No. 200.



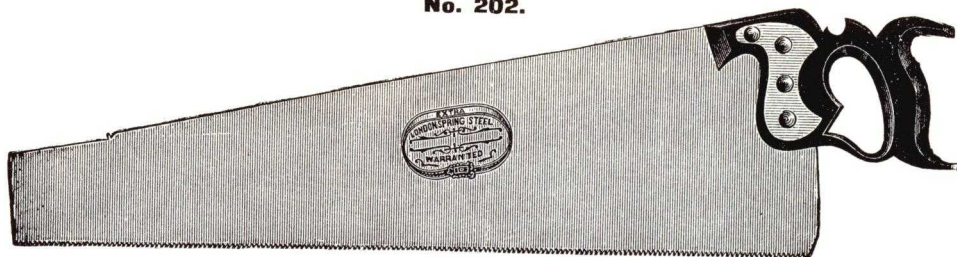
Cherry Handle, Polished Edged, 4 Brass Centennial Screws, full width, Warranted, and Cross Filed. 16, 18, 20, 22, 24, 26, 28 inches, Net.

No. 201.

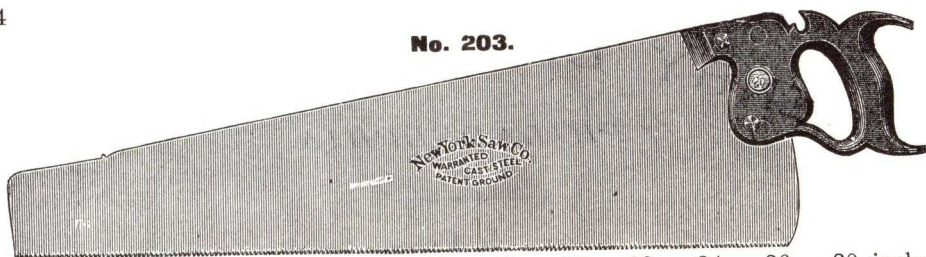


Walnut Handle, Polished Edged, 4 Raised Brass Screws, Steel Plate on handle, full width Blade, Cross Filed. 26 inches, Net.

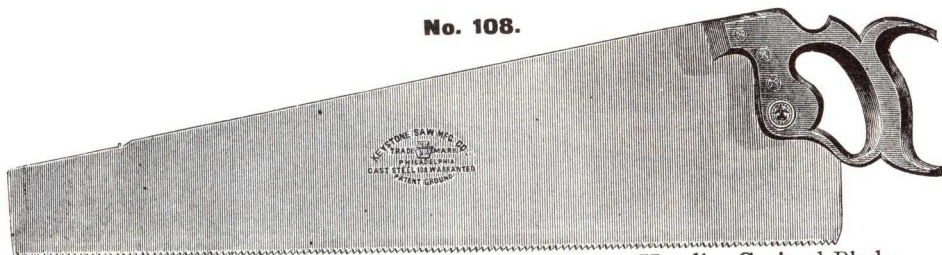
No. 202.



Black Handle, Polished, 4 Raised Brass Screws, Steel Plate, full width Blade, Cross Filed, well finished. 26 inches, Net.

No. 203.

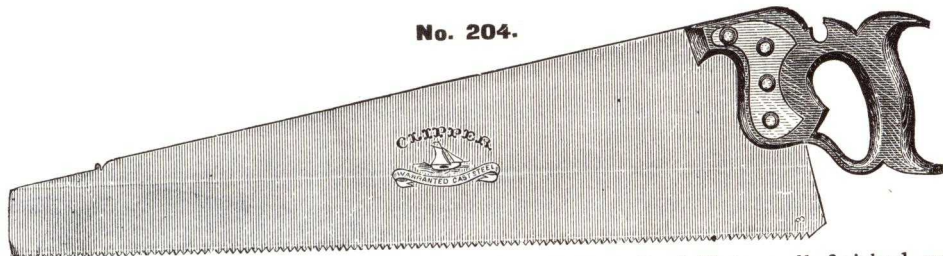
Beech Handle, full width, 4 Screws. 16, 18, 20, 22, 24, 26, 28 inches.

No. 108.

Apple Handle, 4 Centennial Screws, full width, Close up Handle, Grained Blade.

26 inches,

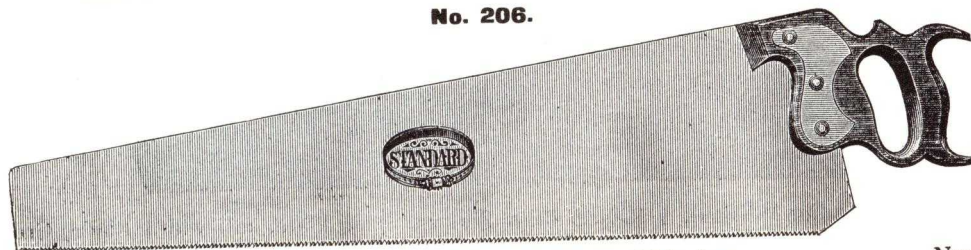
Net.

No. 204.

Walnut Handle, Polished Edge, 4 Raised Brass Screws, Steel Plate, well finished, set and sharpened. 16, 18, 20, 22, 24, 26, 28 inches, Net.

No. 205.

Polished Black Handle, 4 Centennial Screws, full width, Close up Handle, well finished. 26 inches. Net.

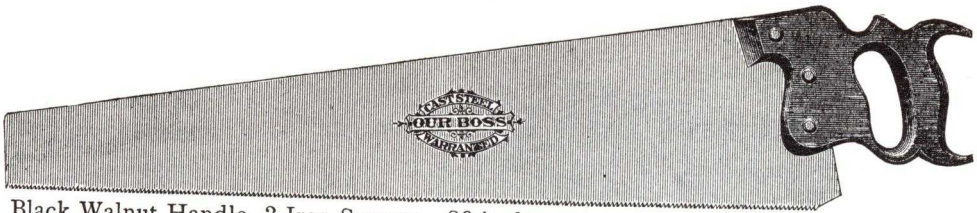
No. 206.

Black Walnut Handle, Steel Plate, with 3 Iron Screws. 26 inches.

Net.

No. 207.

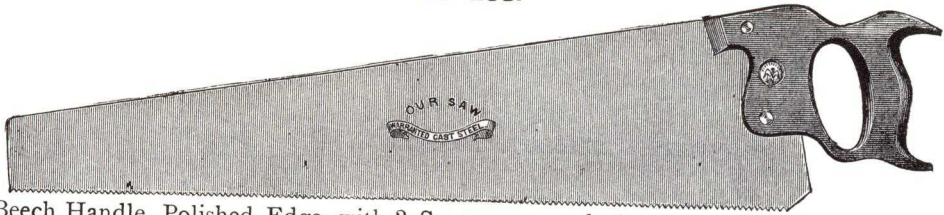
85



Black Walnut Handle, 3 Iron Screws. 26 inches,

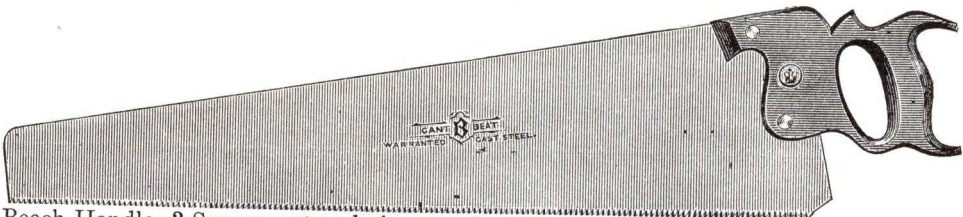
Net.

No. 208.



Beech Handle, Polished Edge, with 3 Screws, set and sharpened,
12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32 inches, Net.

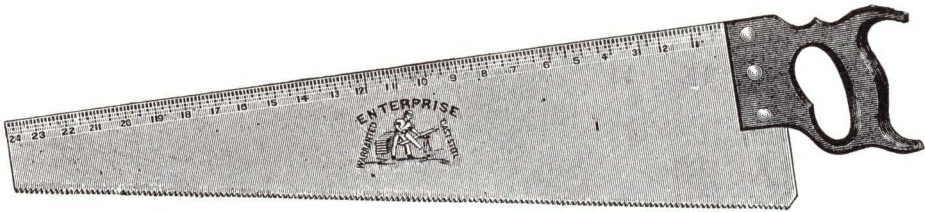
No. 209.



Beech Handle, 3 Screws, set and sharpened 26 inches,

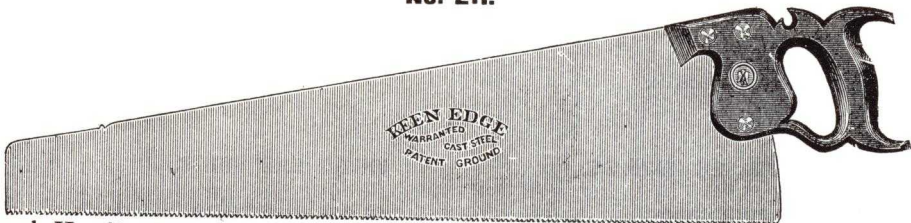
Net.

No. 210.



Beech Handle, Polished Edge, 3 Plain Screws, set and sharpened, 24 inch etched Rule.
26 inch Saw,
Same Saw, 20 inch, Net.

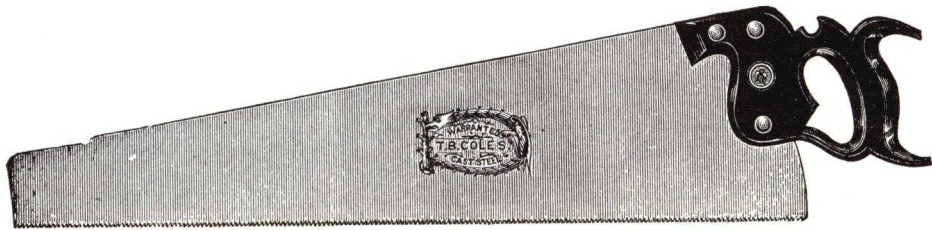
No. 211.



Beech Handle, 3 Screws, set and sharpened,
16, 18, 20, 22, 24, 26, 28 in.

Net.

No. 213.



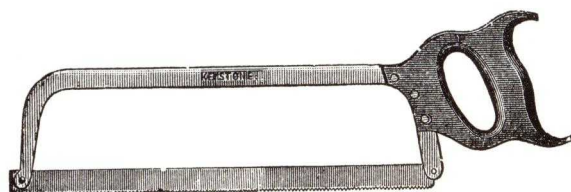
Black Handle, Polished, 4 Brass Centennial Screws. 26 inches, Net.

No. 0 KITCHEN SAWS.



12, 14, 16 inches. In half dozen boxes.

KEYSTONE KITCHEN SAWS.



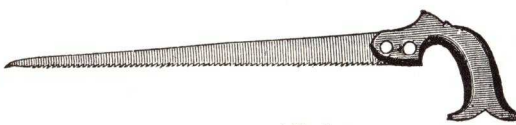
12, 14, 16 inches. In half dozen boxes.

JACKSON KITCHEN SAWS, No. 00.



12 inches.
In half dozen boxes.

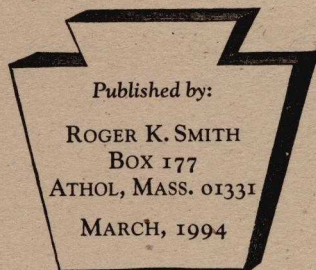
JACKSON COMPASS SAWS.



All sizes.
10, 12, 14, 16 inches
In half dozen boxes.

**SAW HANDLES, 26 INCHES,
POST HOLE DIGGERS,
WOOD SAW FRAME,**

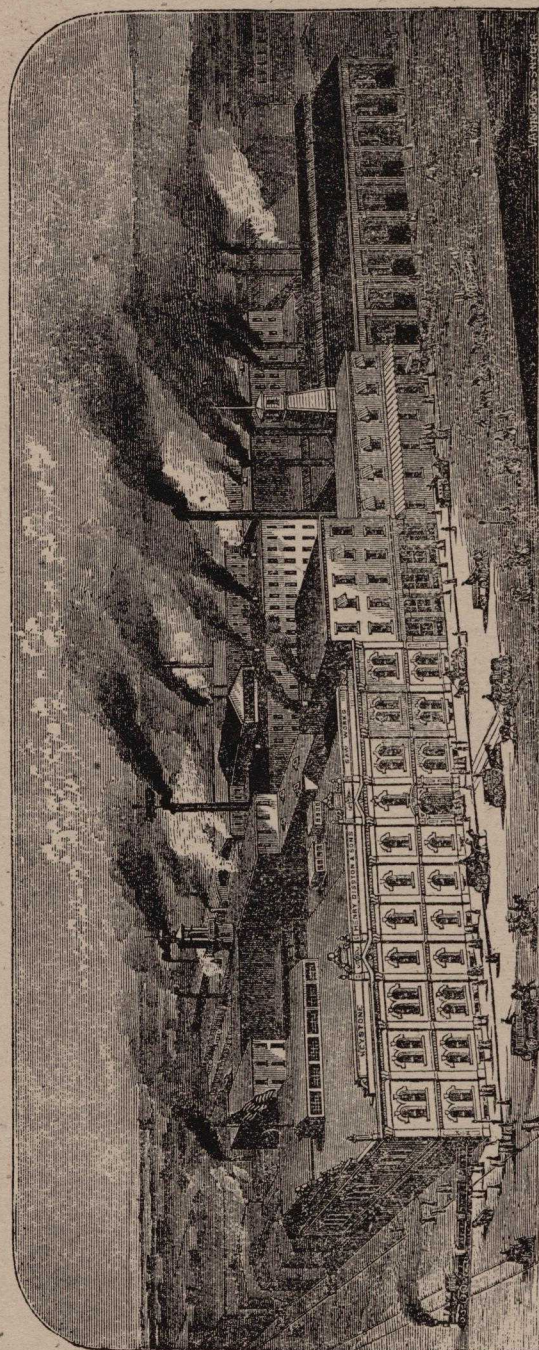
**WOOD SAW RODS,
SLAW CUTTERS,
WEB SAW FRAMES,**



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